

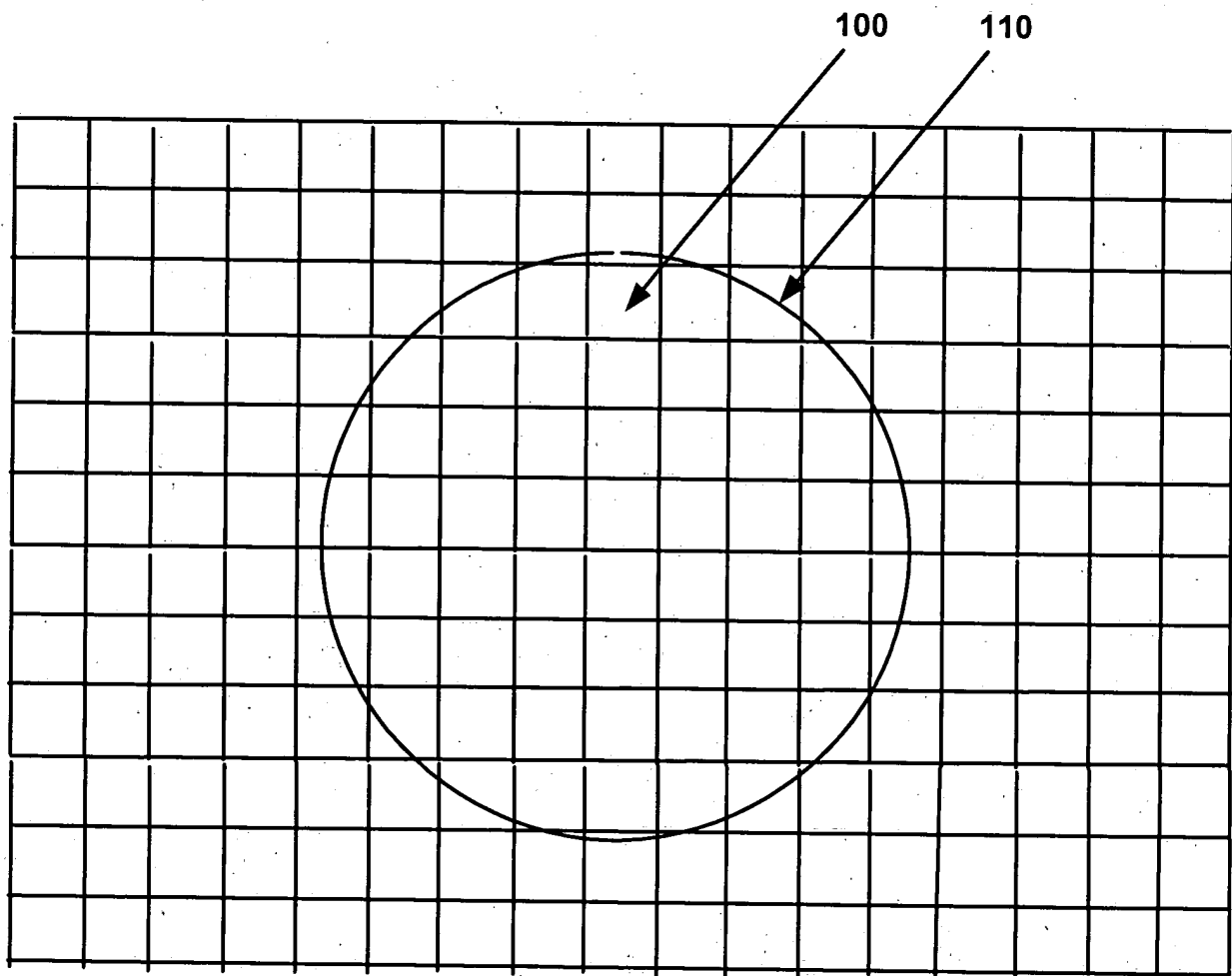


Figure 1.

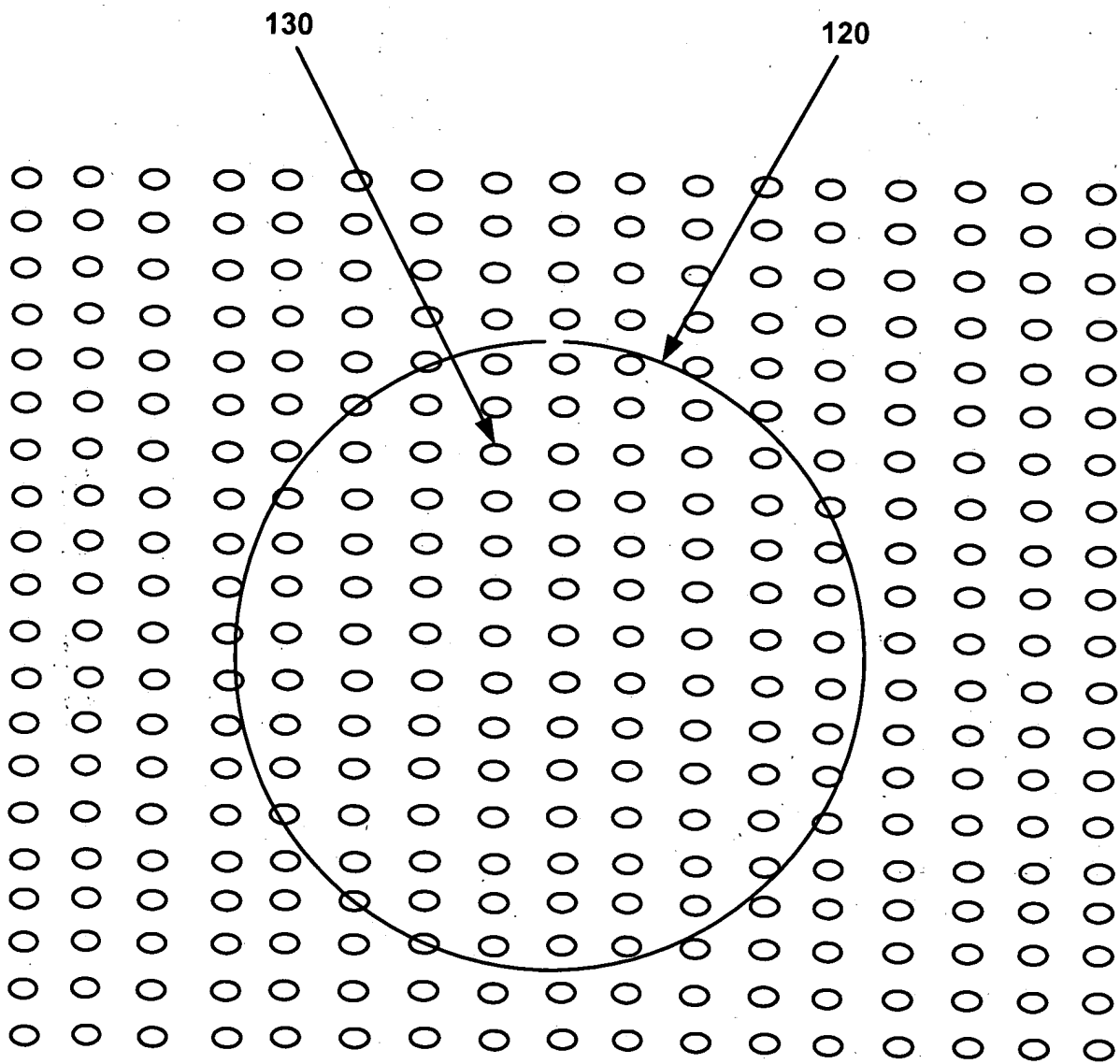
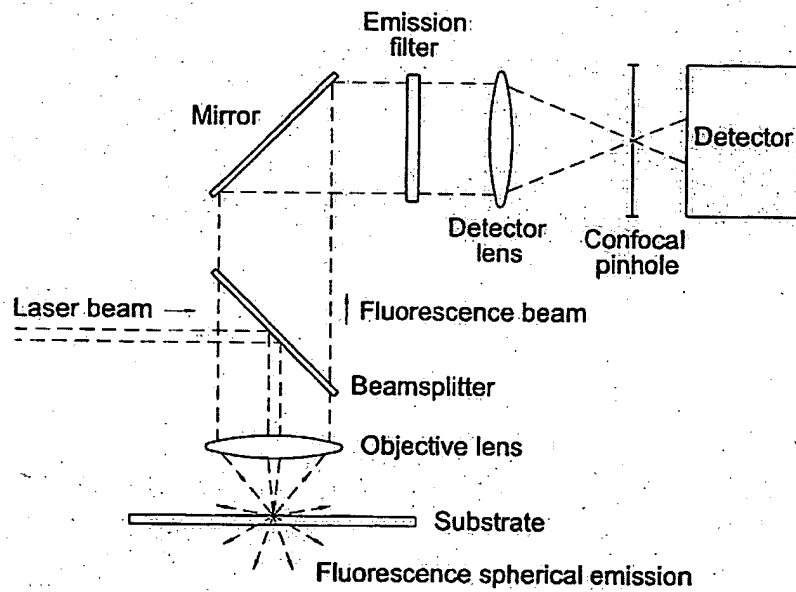
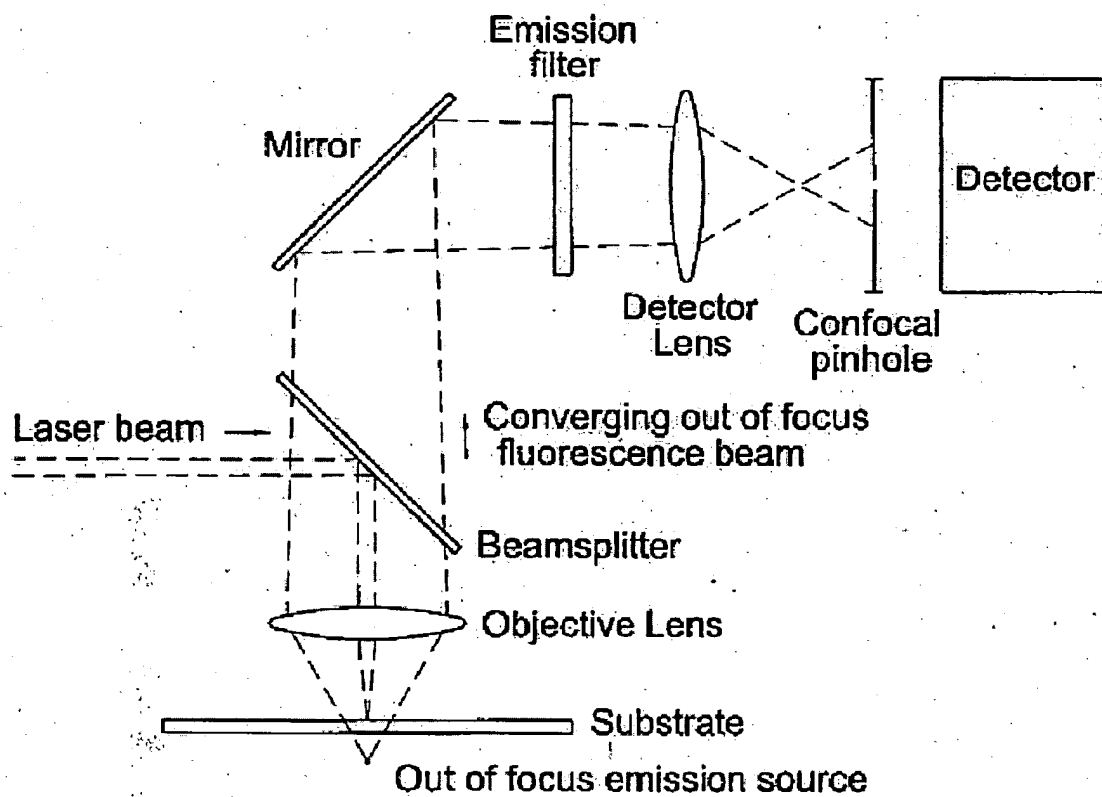


Figure 2.



The confocal scanning arrangement in a microarray scanner.

Figure 3.



Emission light from an out-of-focus image point is blocked by the confocal

Figure 4.

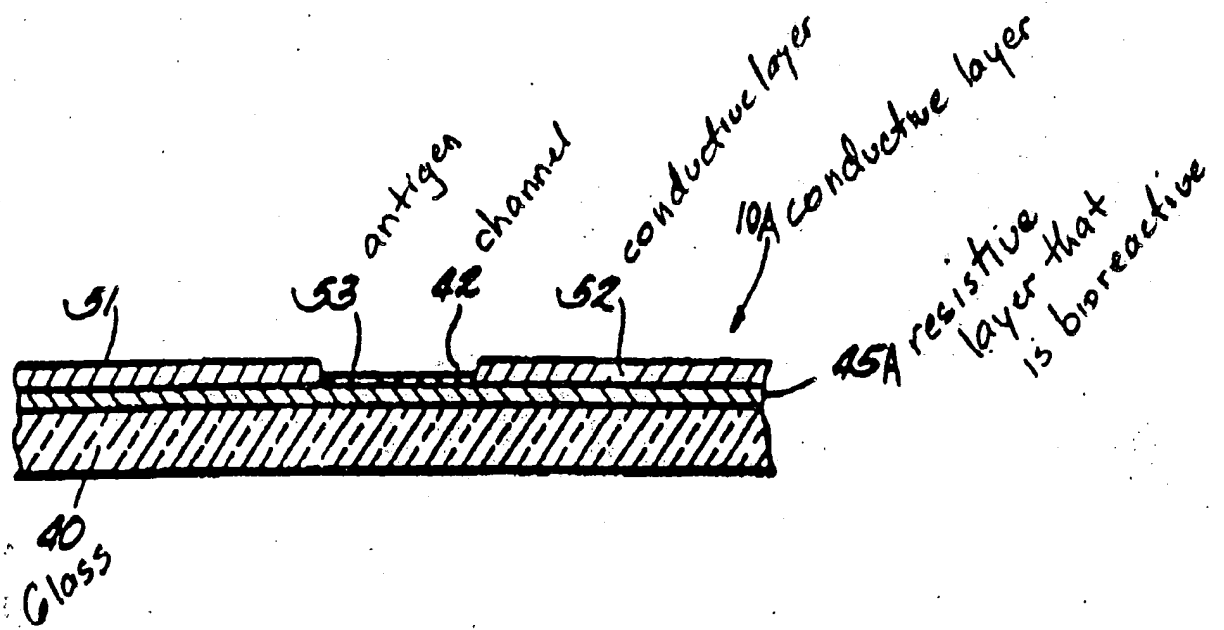


Figure 5.

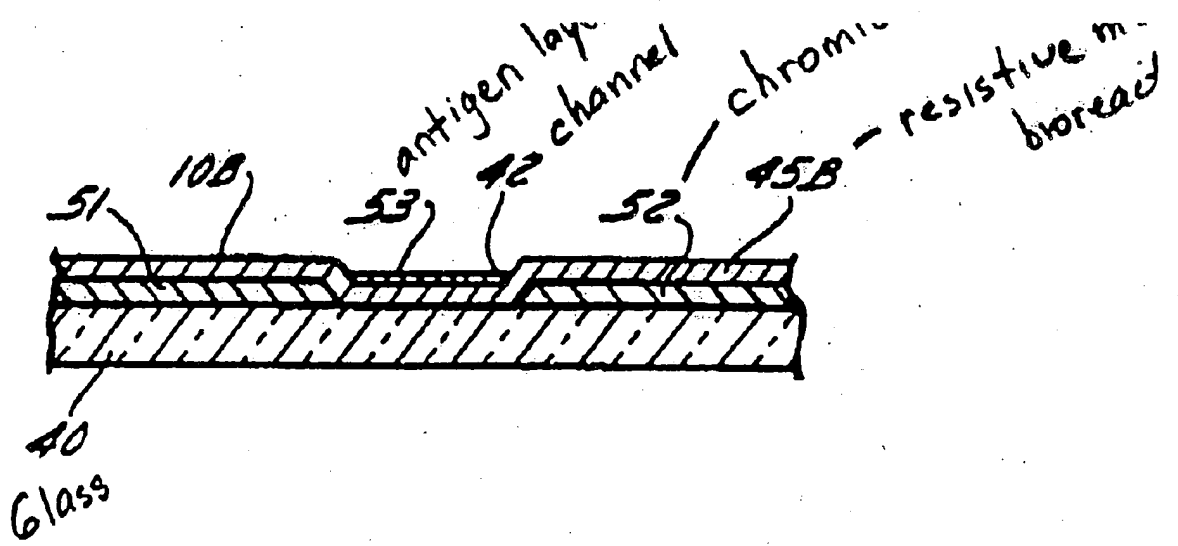


Figure 6.

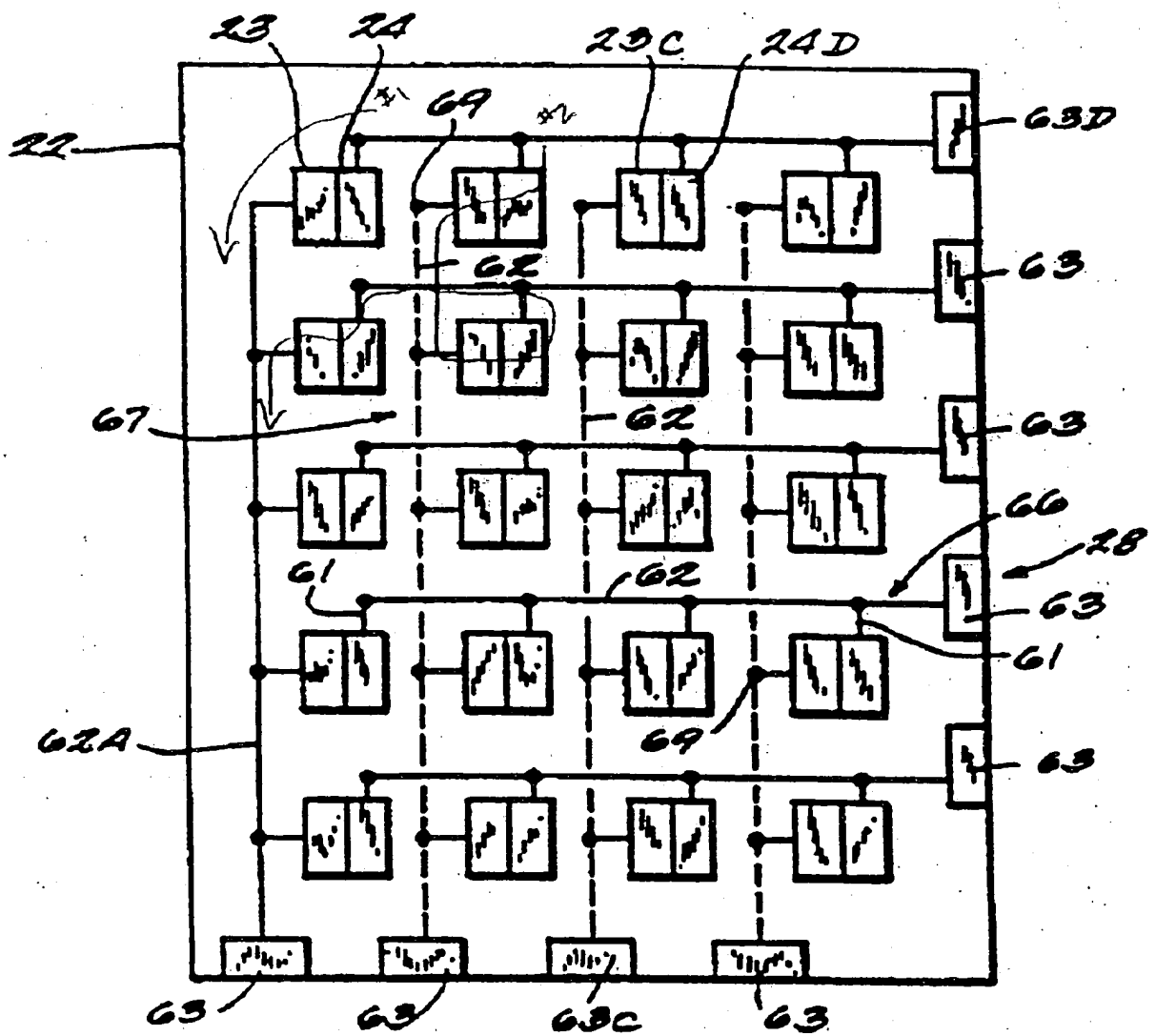


Figure 7.

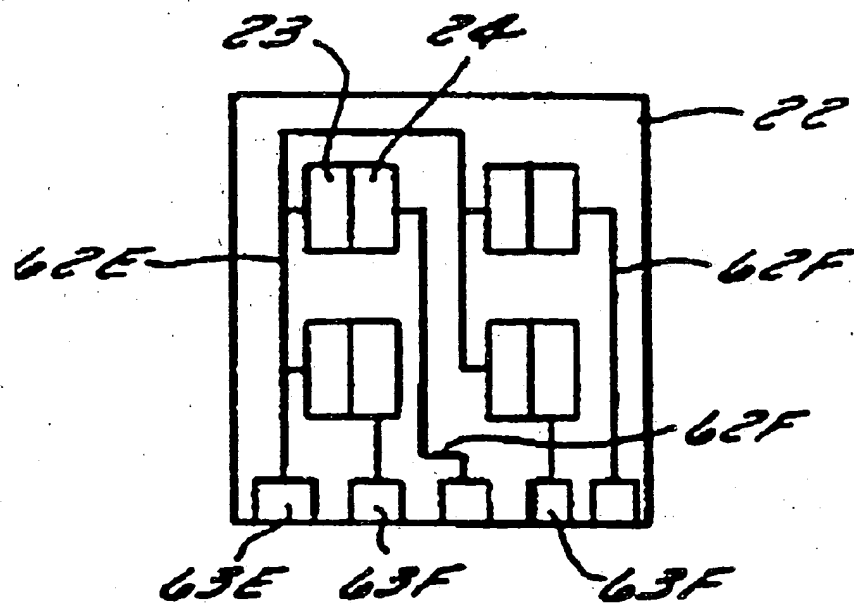


Figure 8.

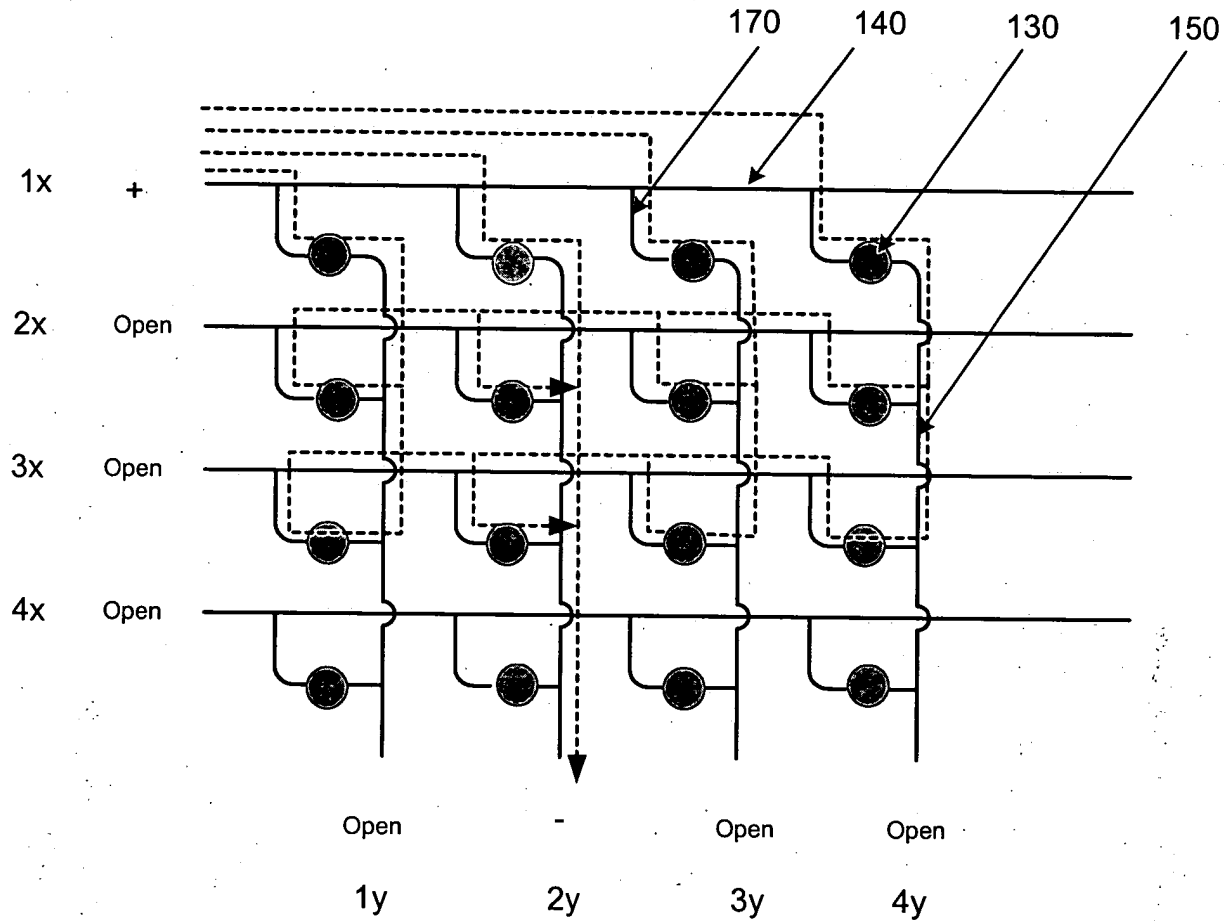


Figure 9. Prior Art parasitic current Flow resulting from multiple conductive sense sites and no unidirectional control of current on the matrix. Not all parasitic paths are shown. All sense sites are conductive in this example. Site 1x2y is the site intended to be read.

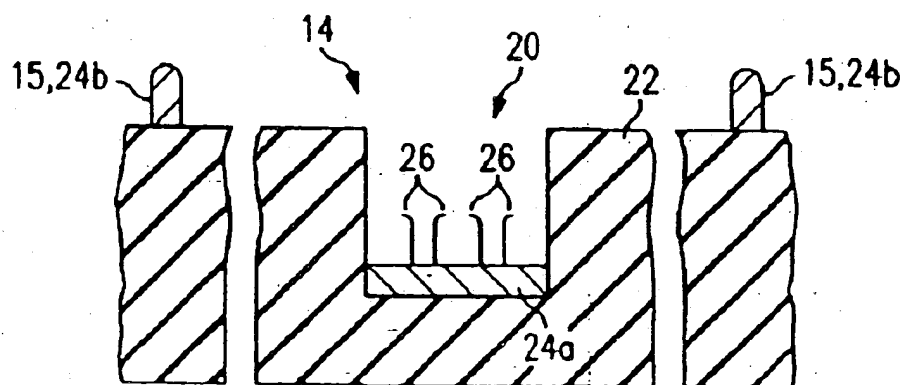
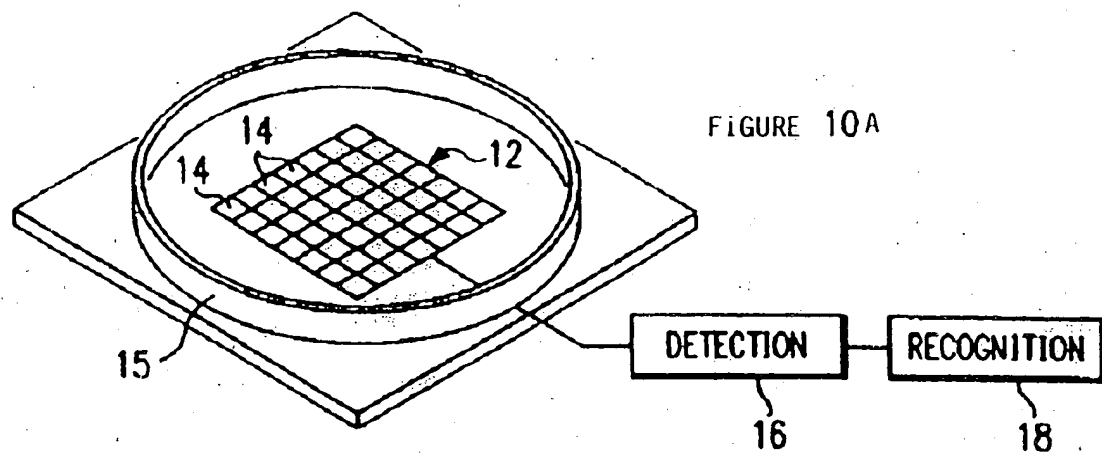


Figure 10B

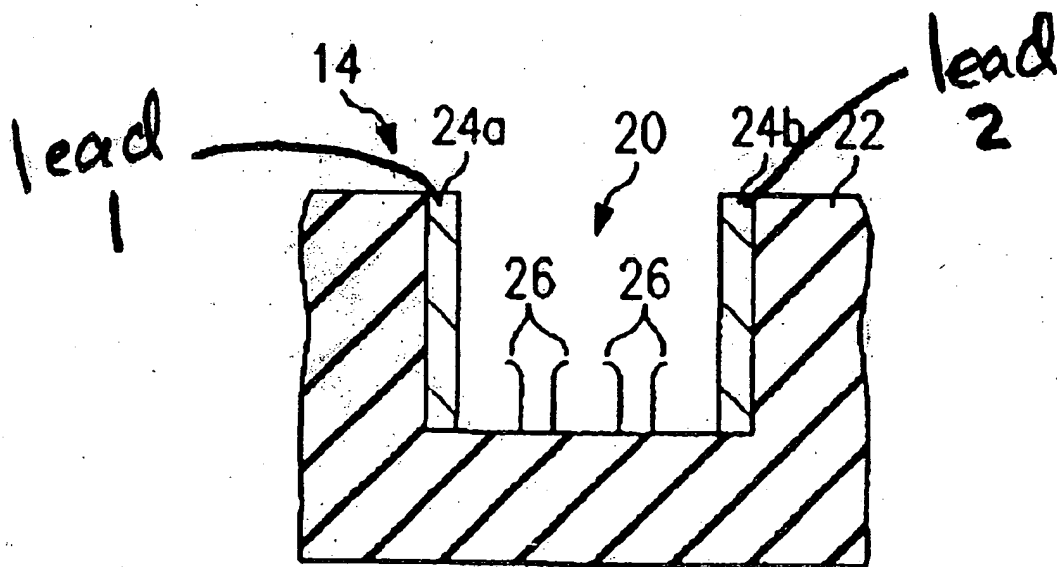


Figure 11.

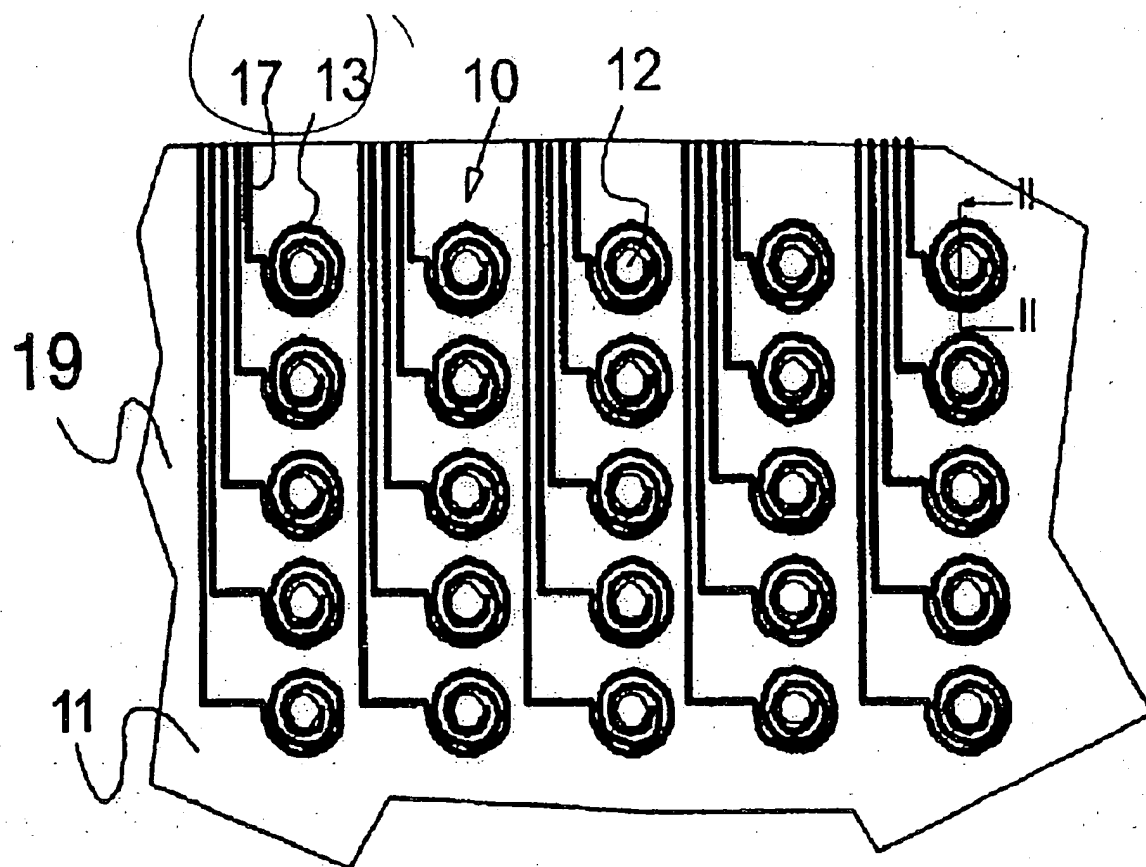


Figure 12.

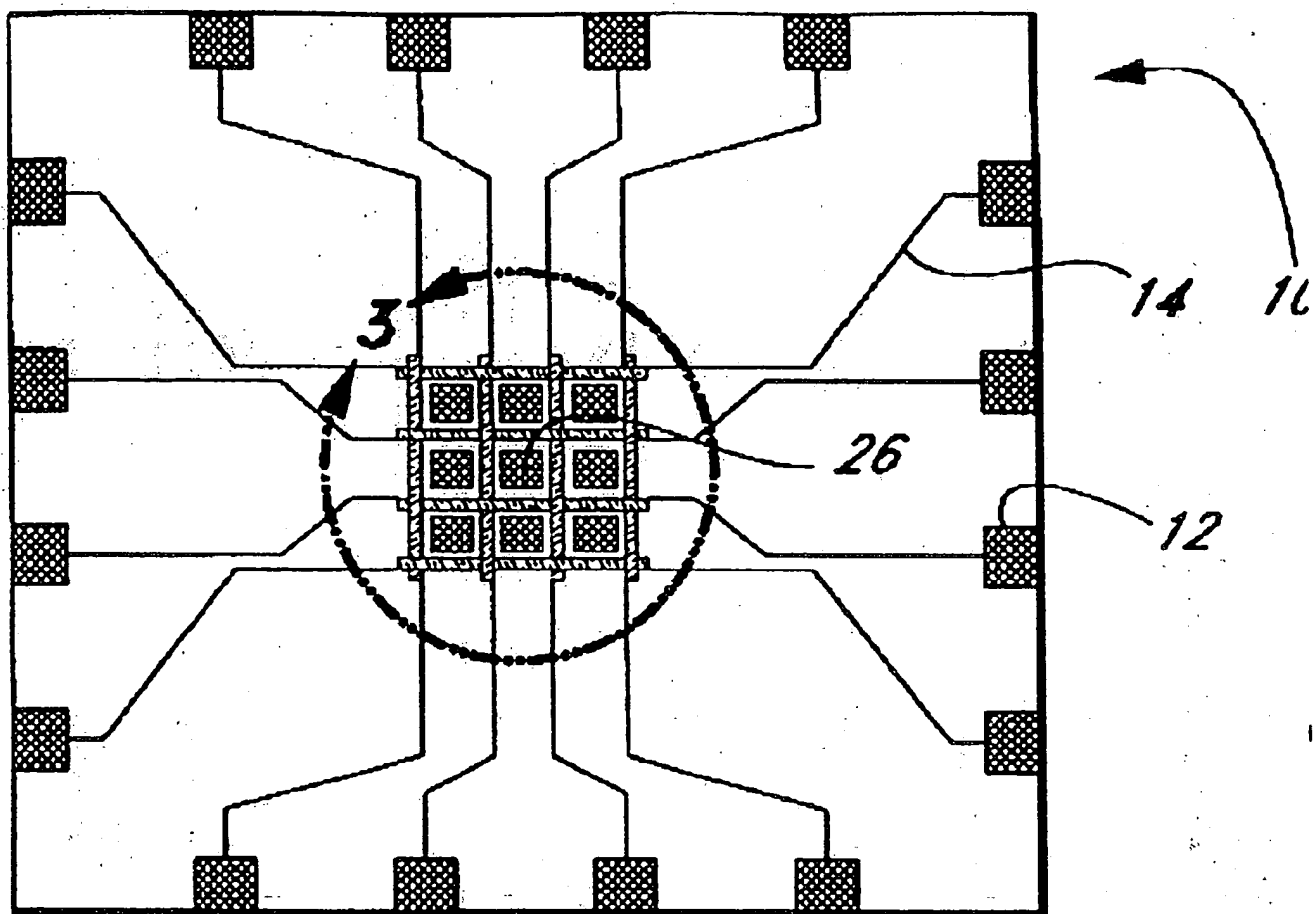


Figure 13.

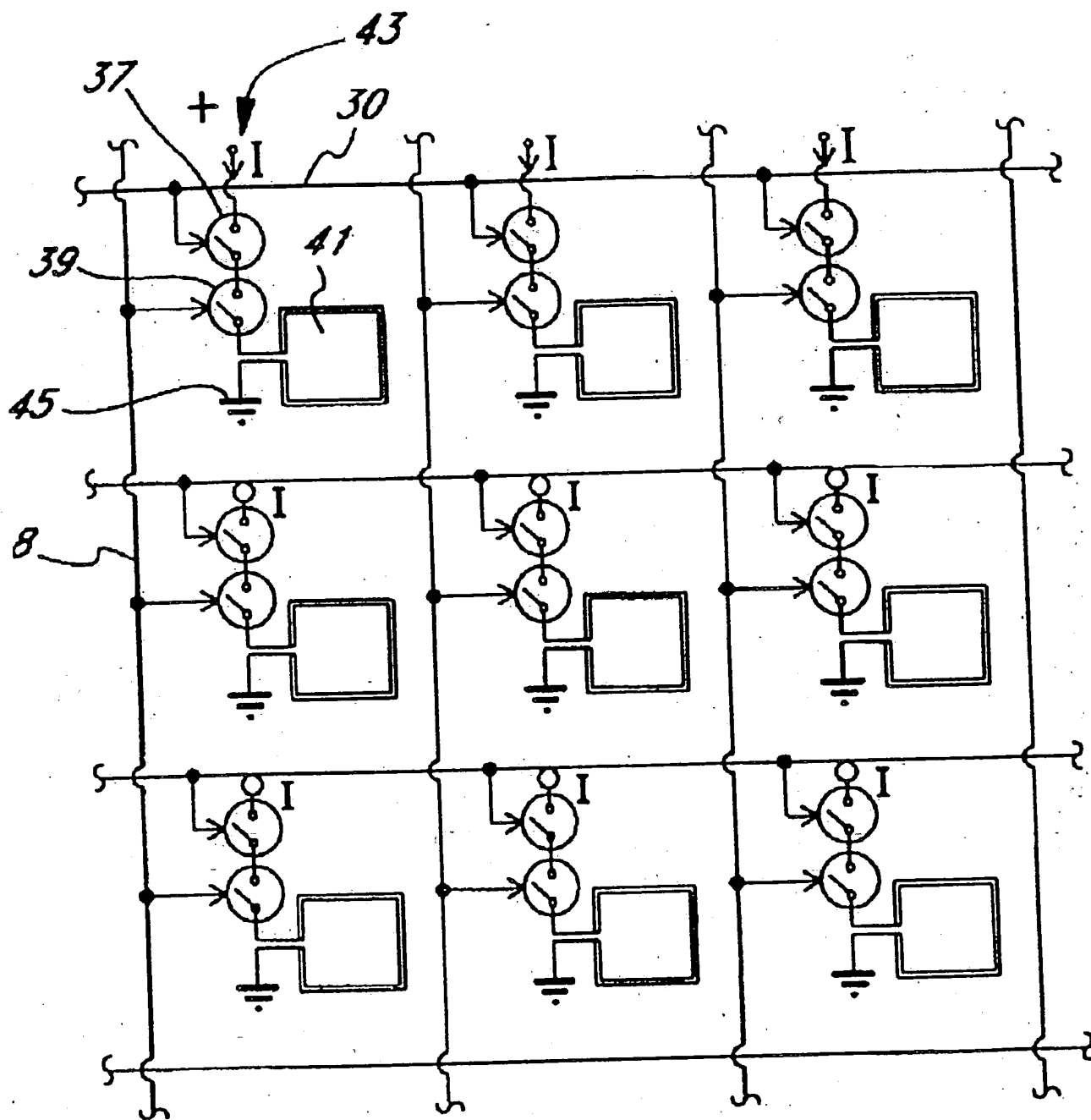


Figure 14.

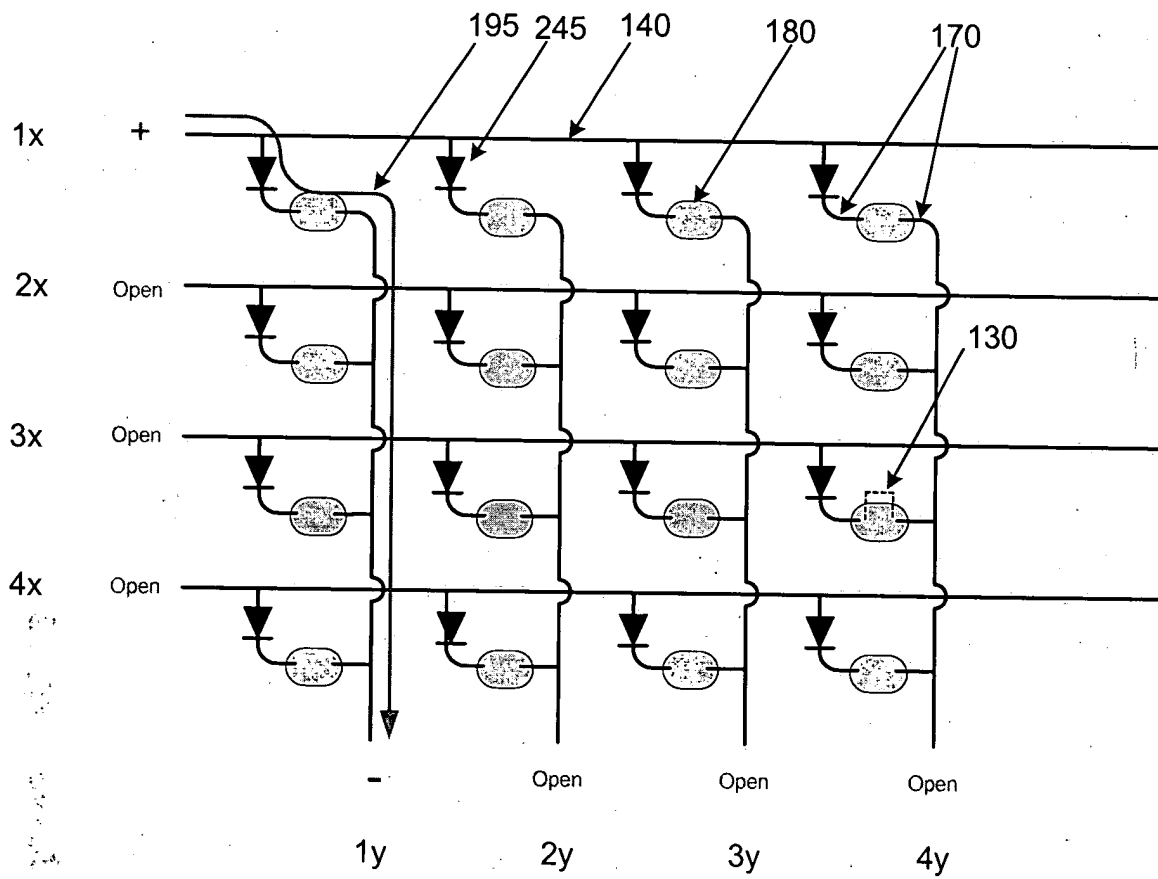


Figure 15.

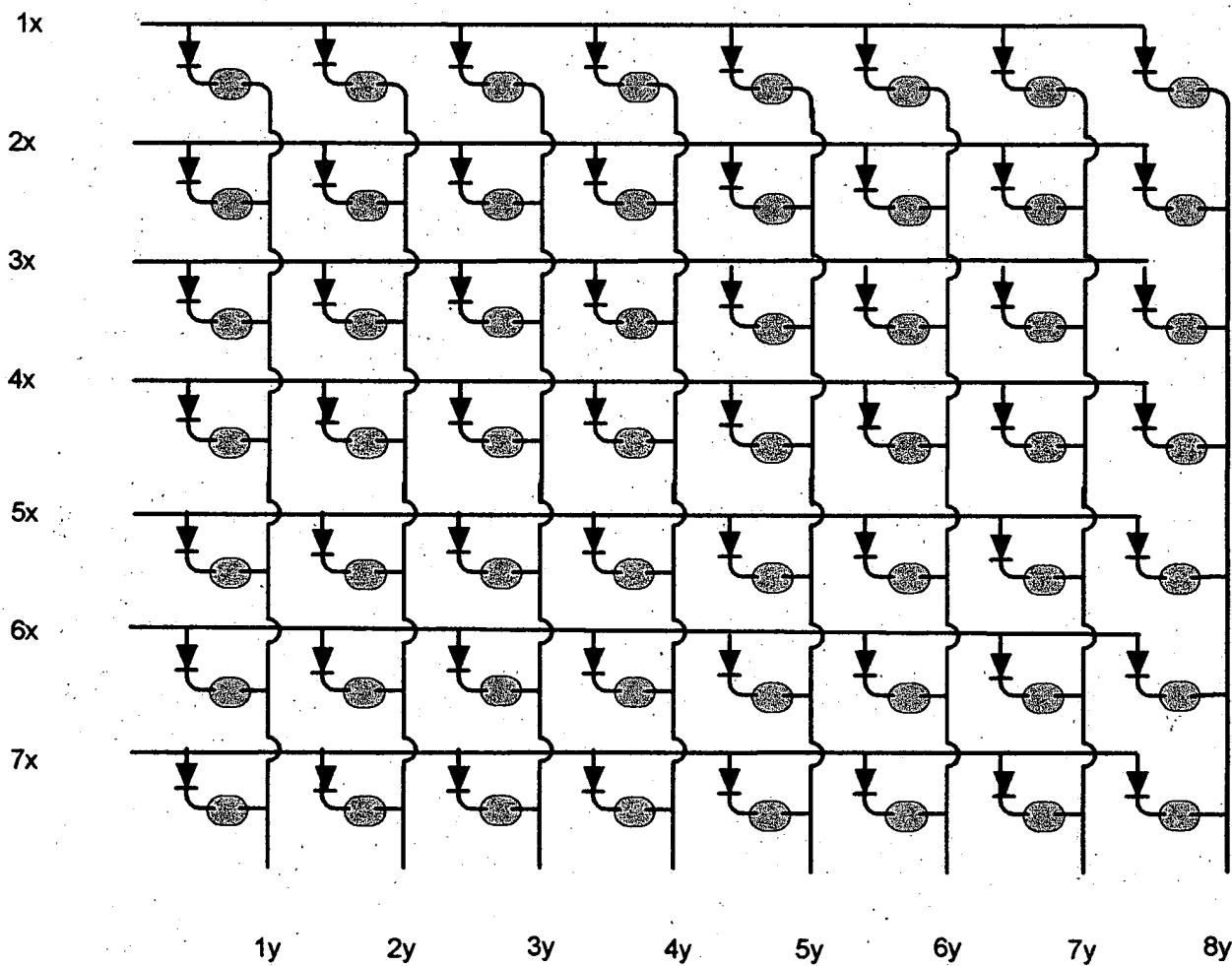


Figure 16.

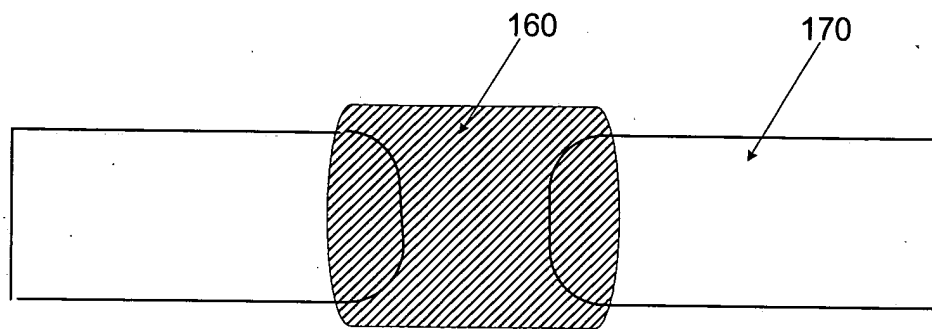


Figure 17a Light Doping

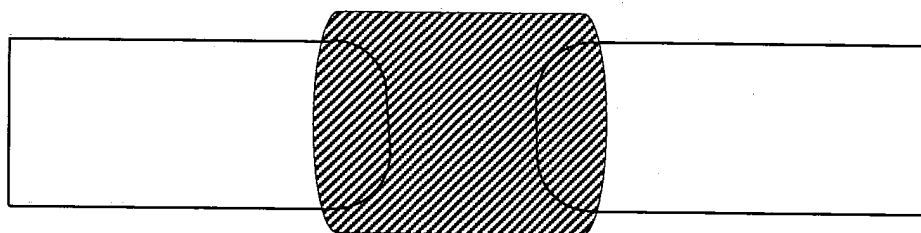


Figure 17b Heavy Doping

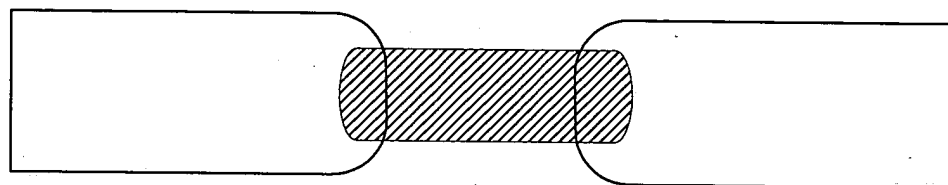


Figure 17c Light Doping

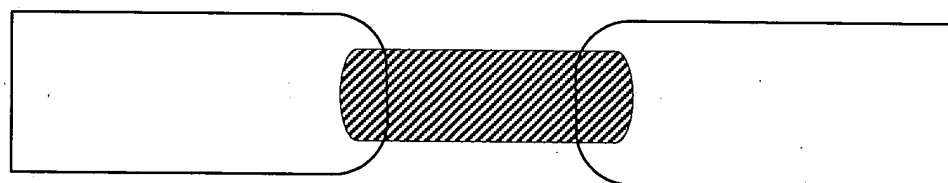


Figure 17d Heavy Doping

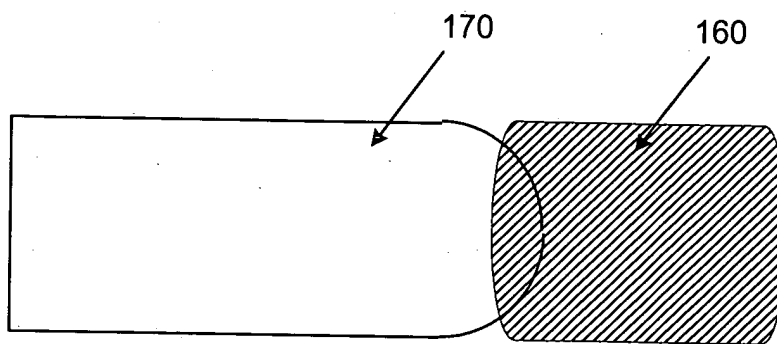


Figure 18a

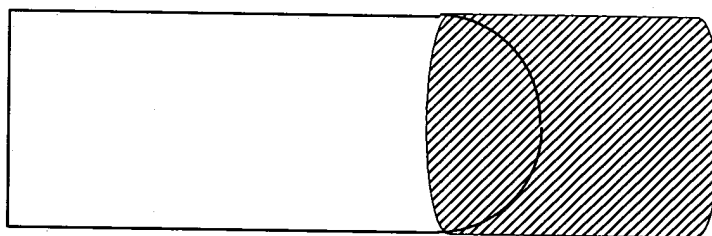


Figure 18b

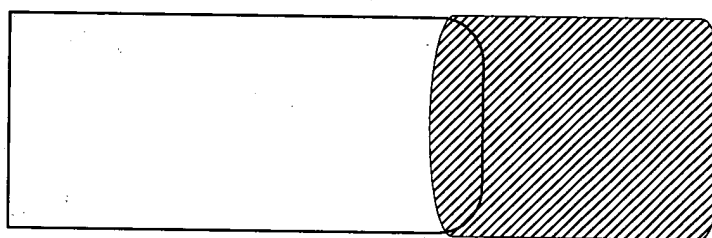


Figure 18c

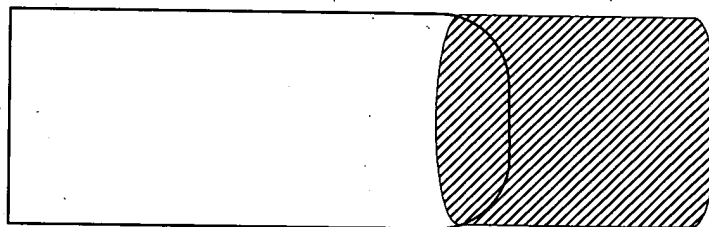


Figure 18d

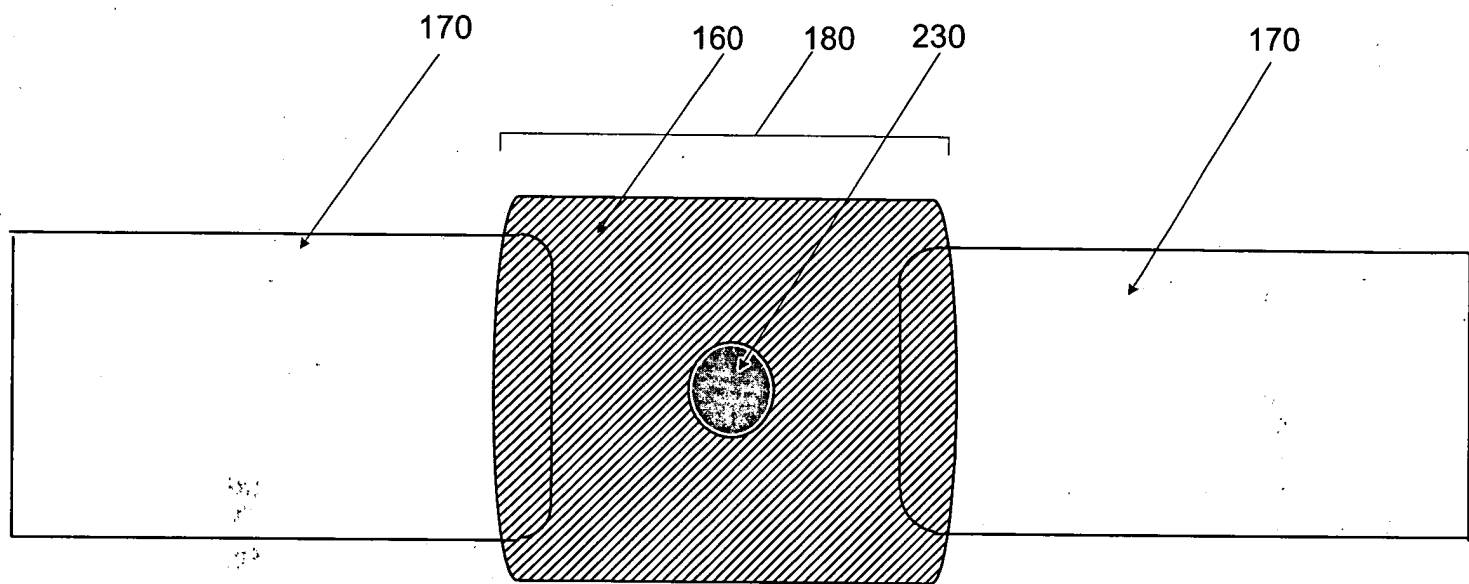


Figure 19.

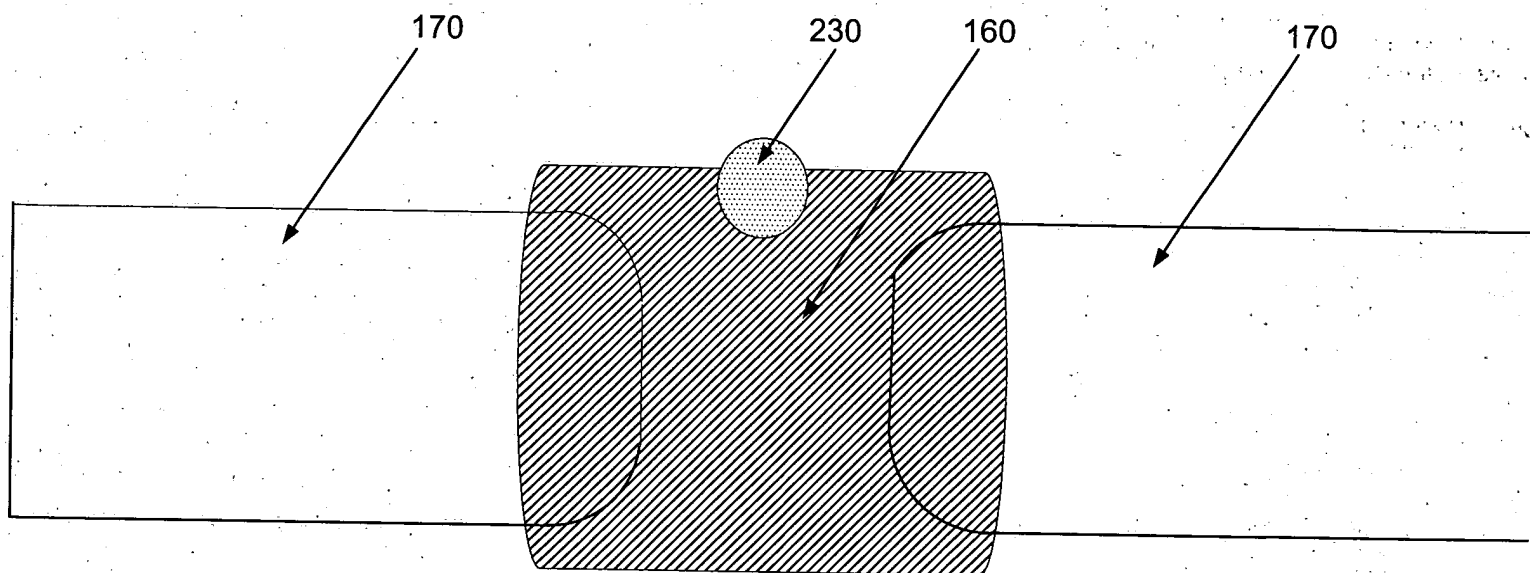


Figure 21.

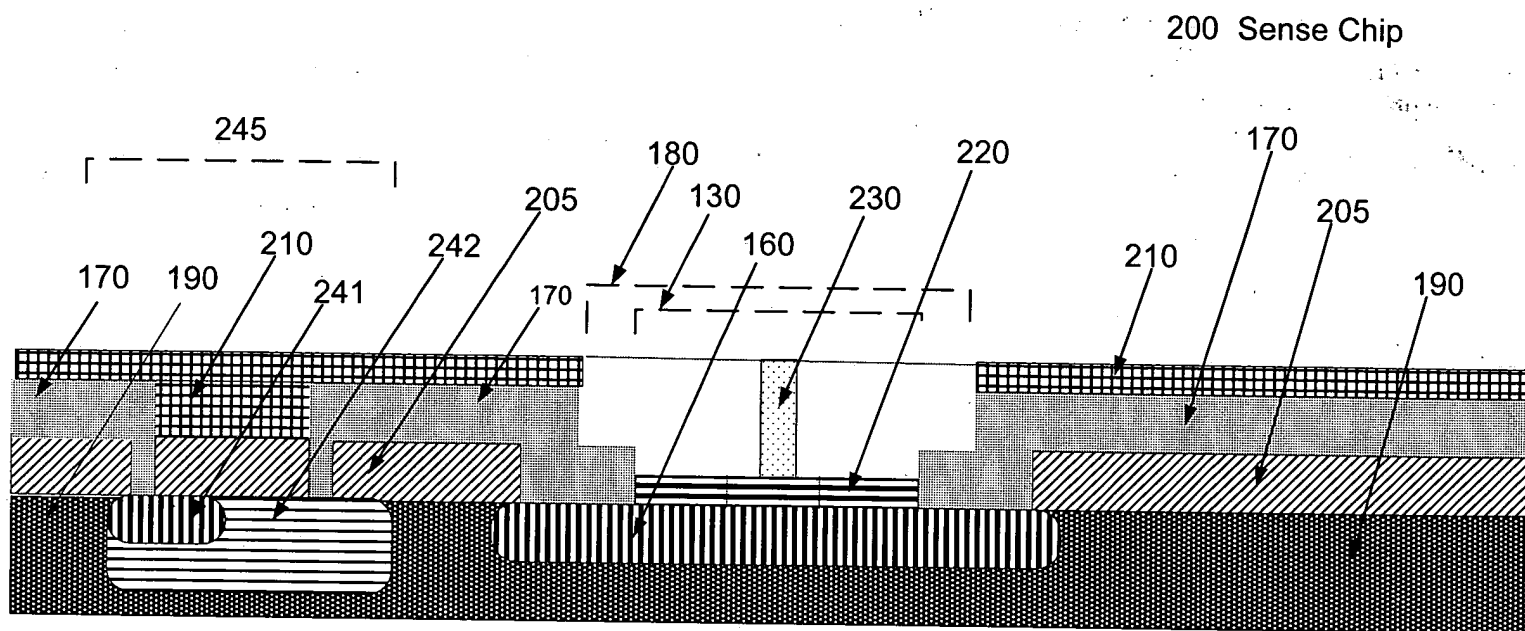


Figure 22.

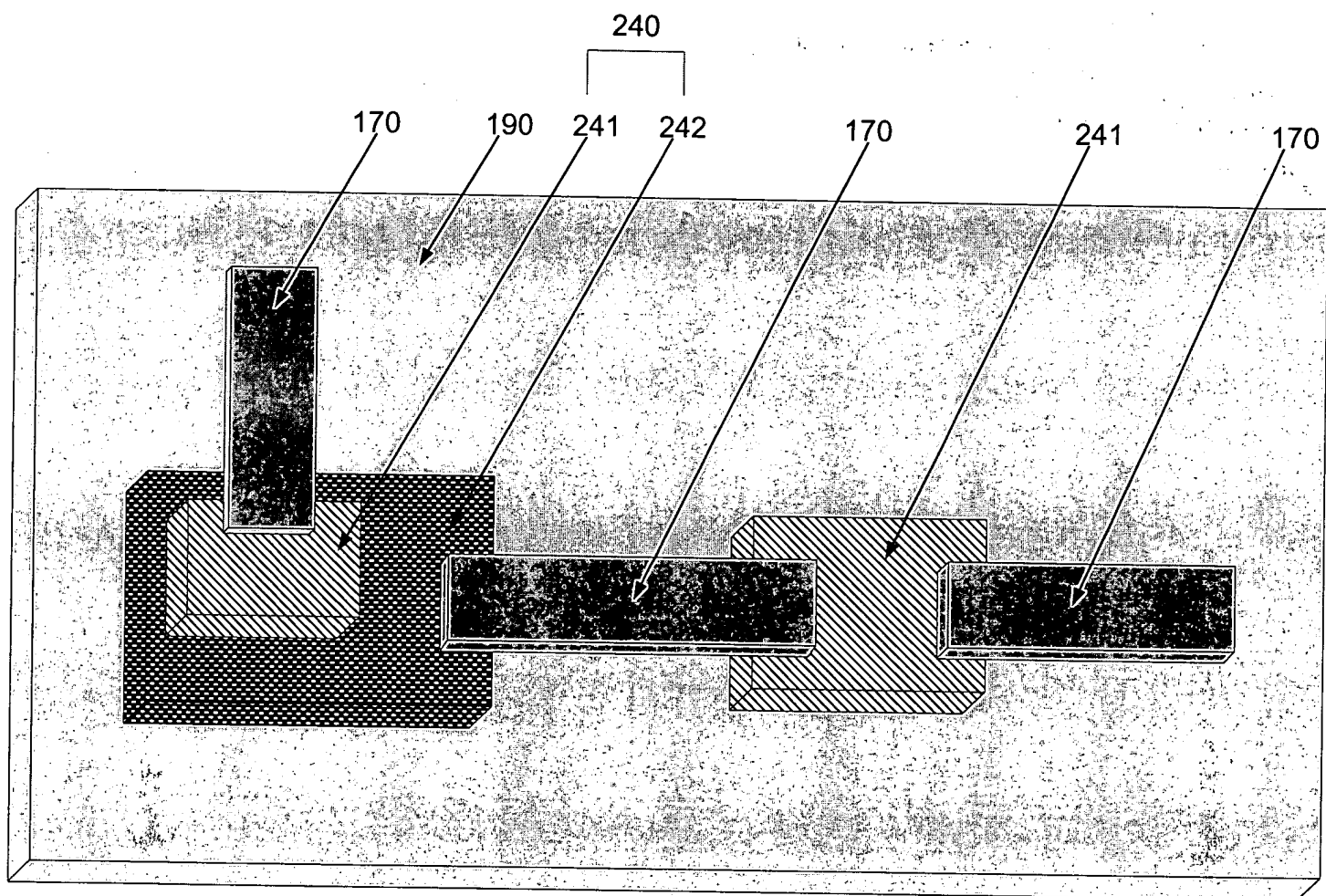


Figure 23

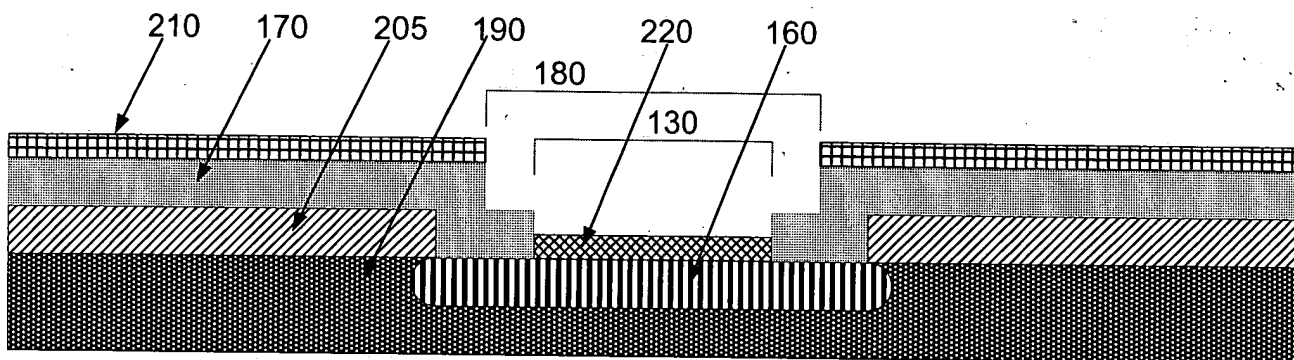


Figure 24.

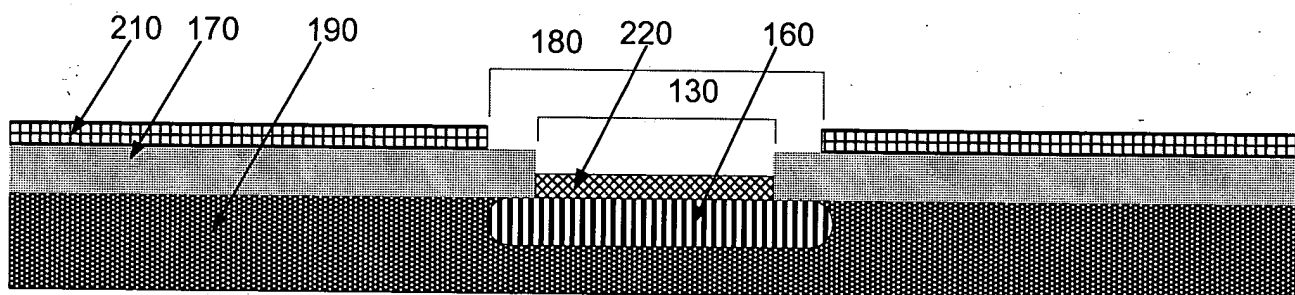


Figure 25.

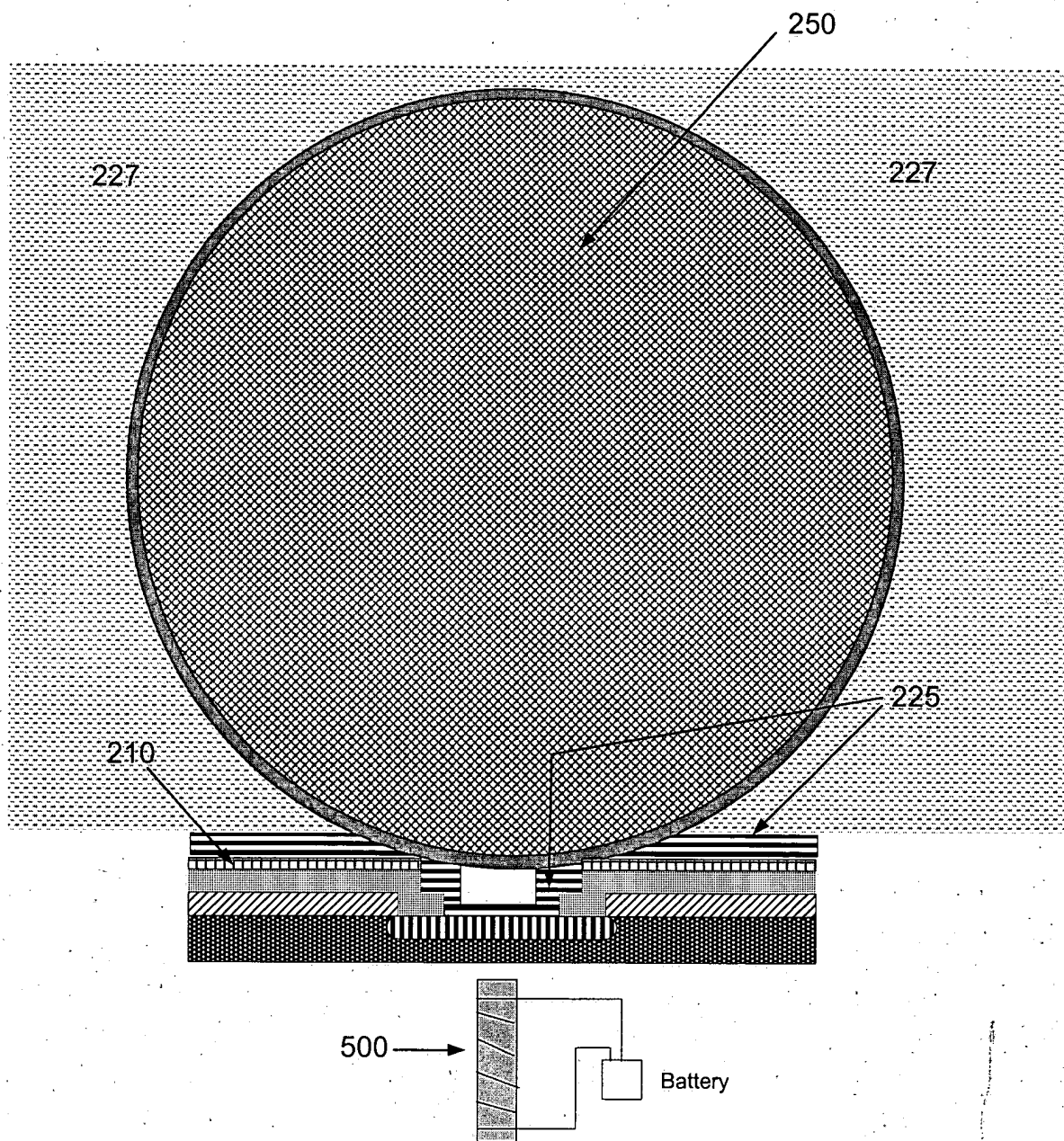


Figure 26. Bead Mop

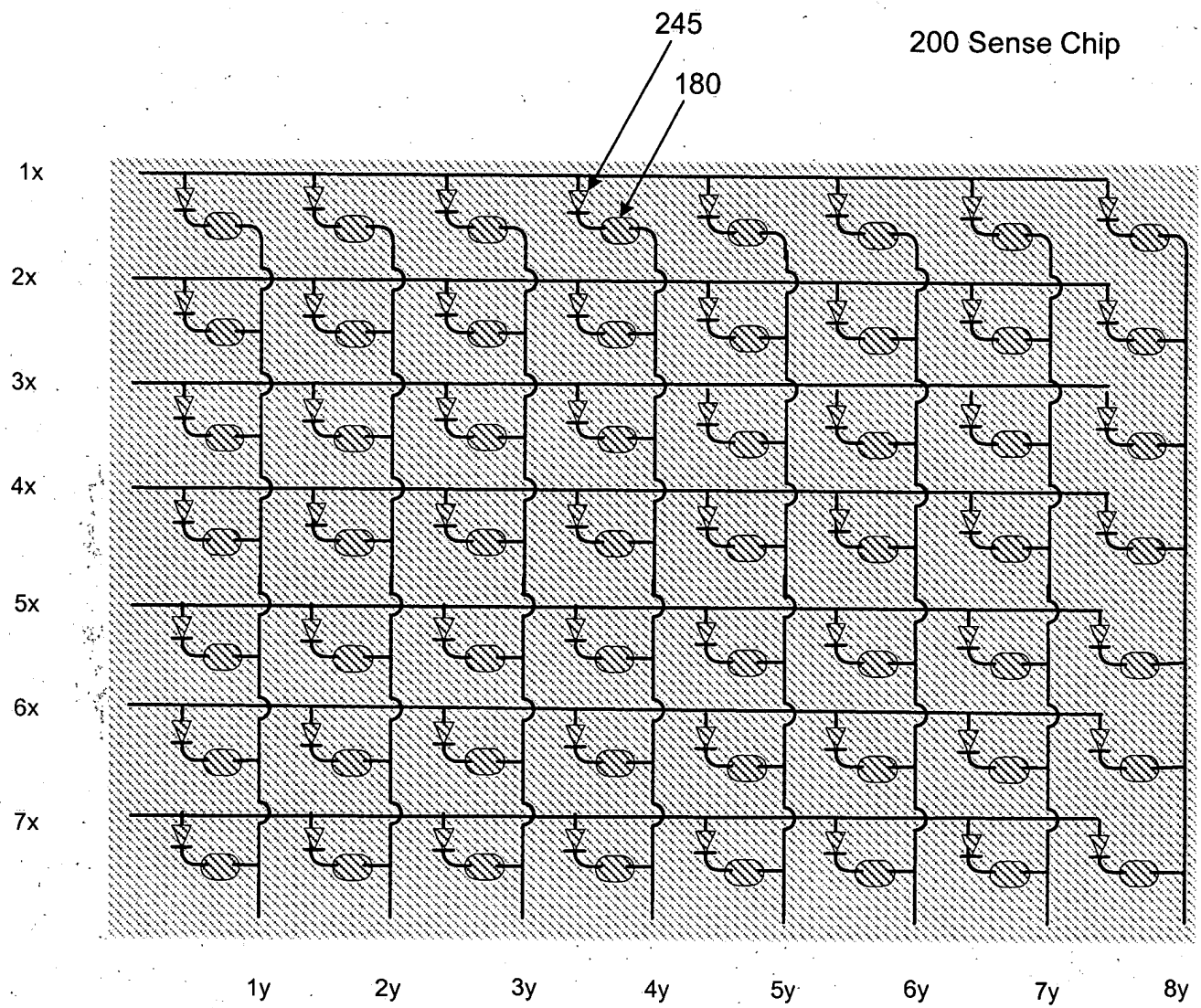


Figure 27

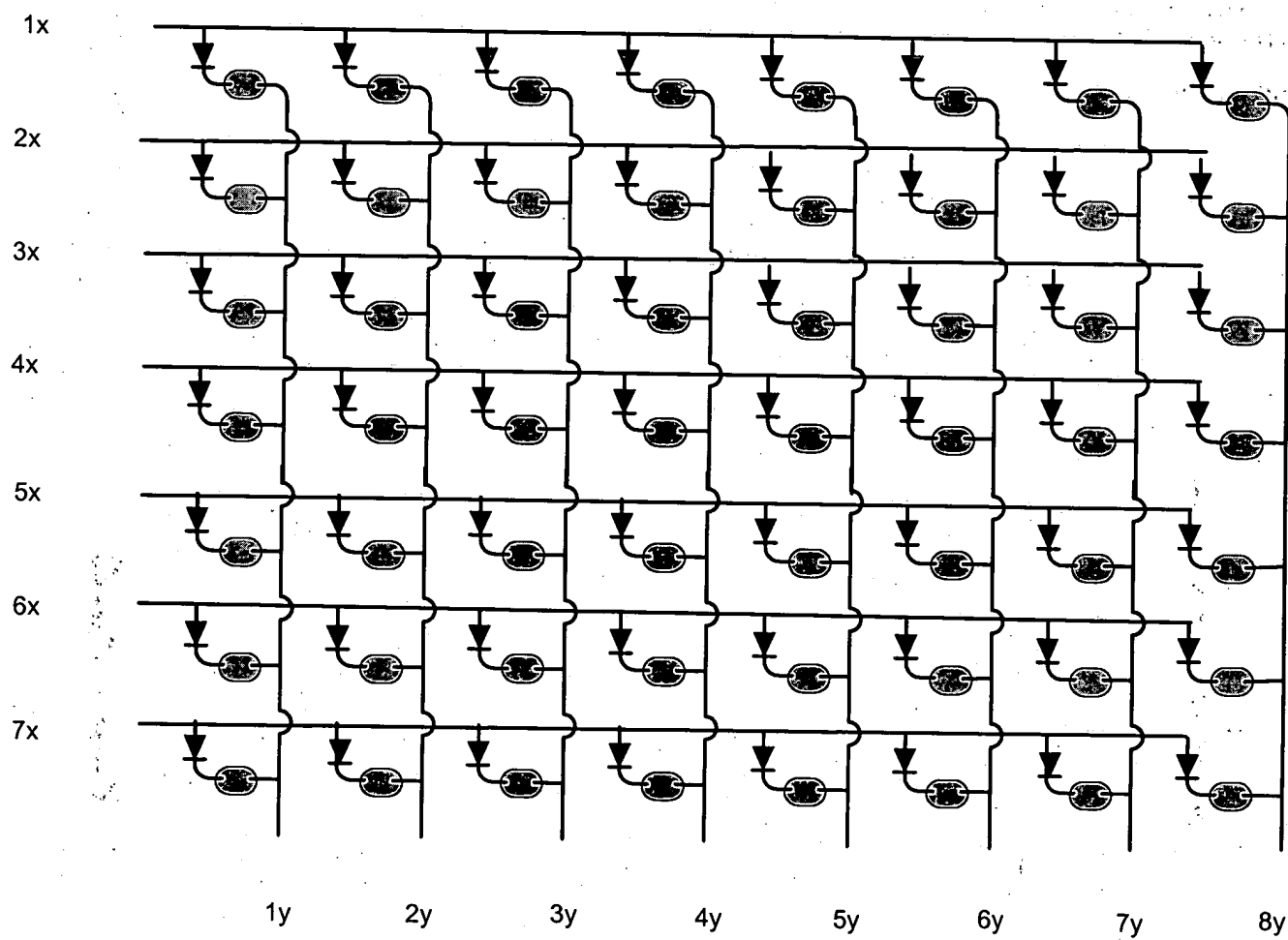


Fig. 28

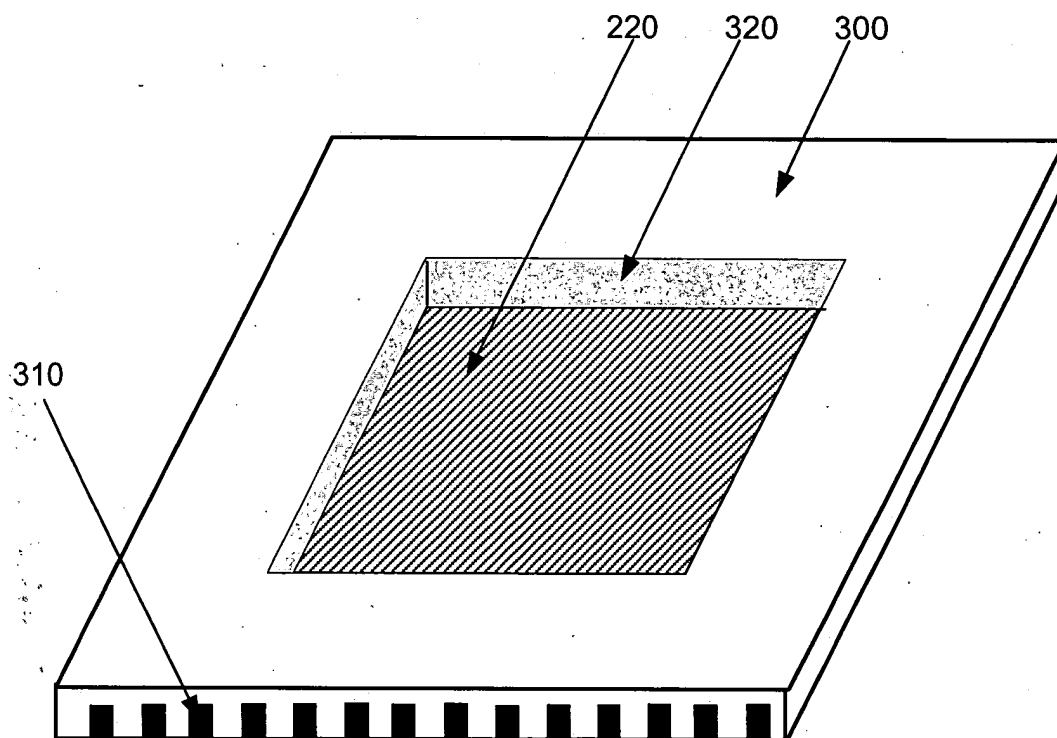


Figure 29. Sense Chip Packaging

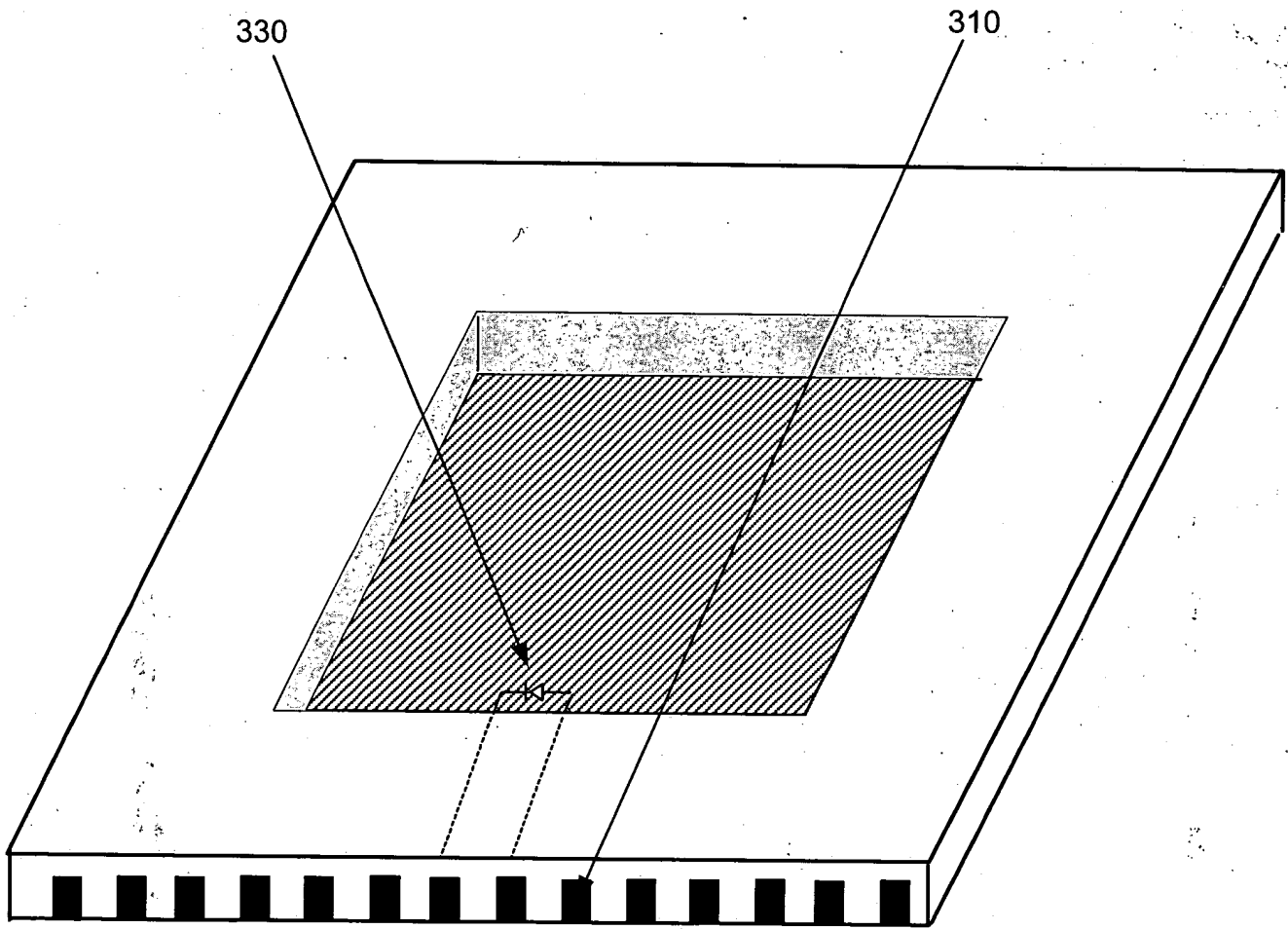


Figure 30. Temp Sensing Diode

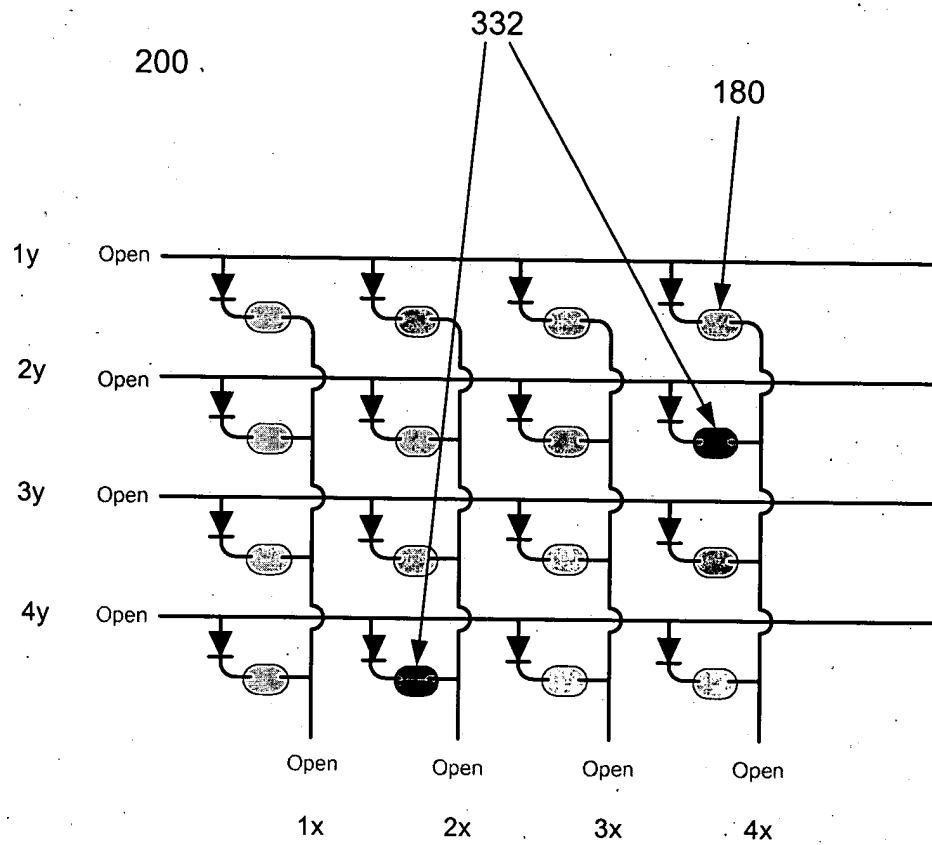


Fig. 31. Manufacturing Test Sites
(conductive sites).

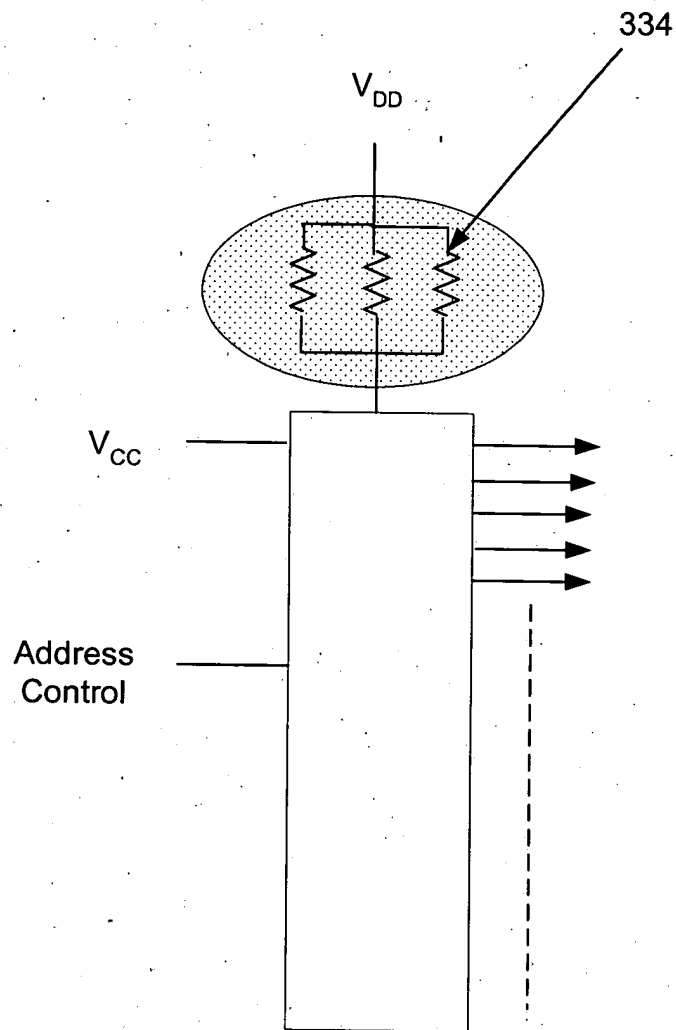


Figure 32. Programmable Current to Sense Site Matrix

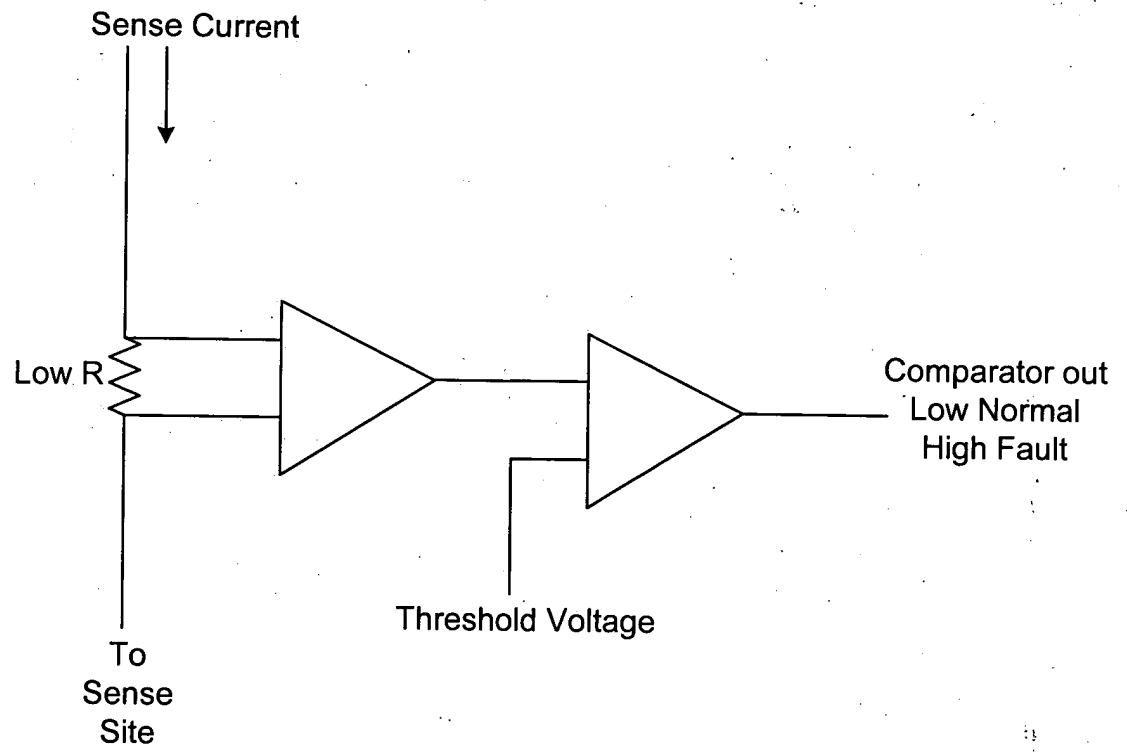


Figure 33.

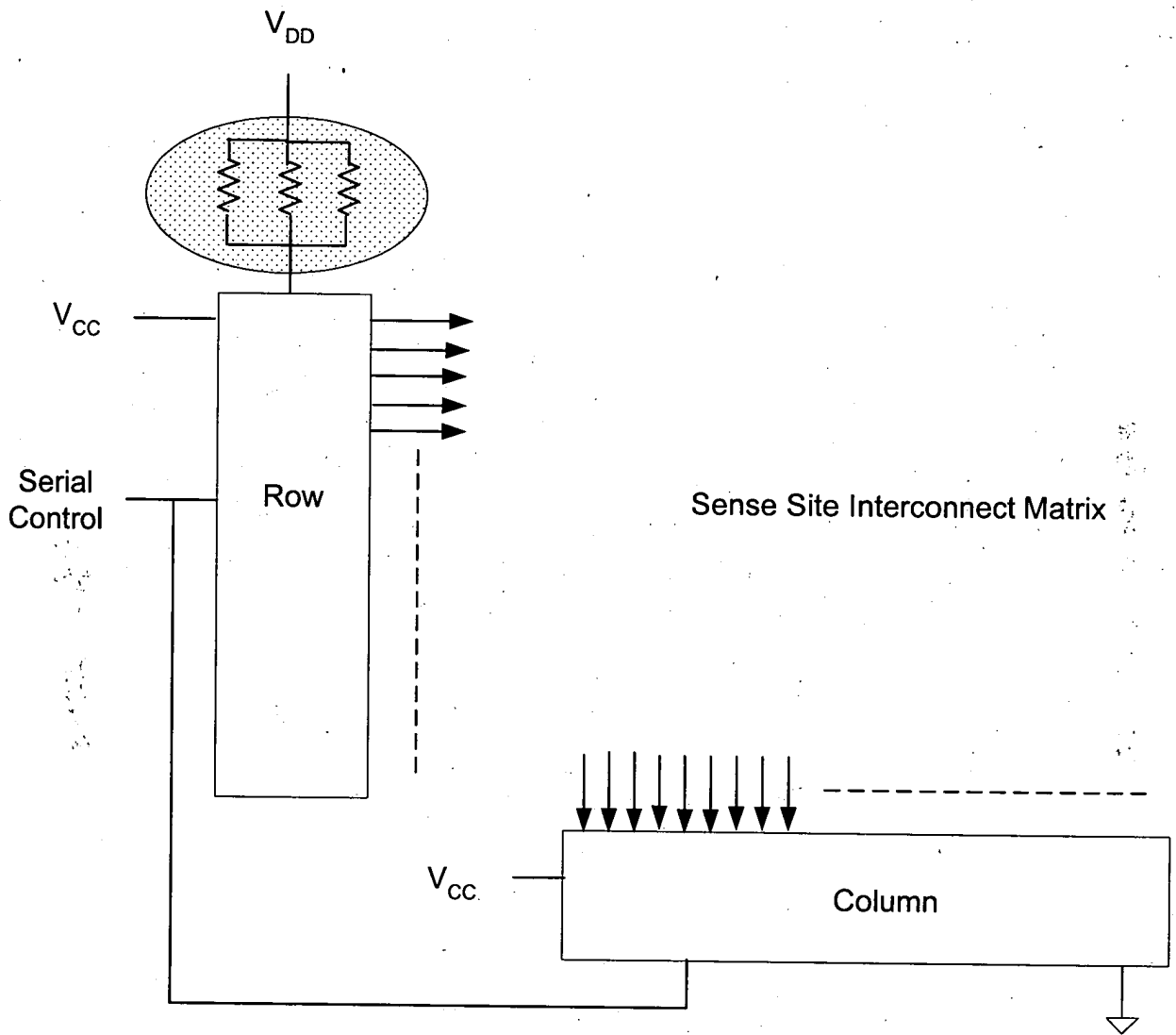


Figure 34.

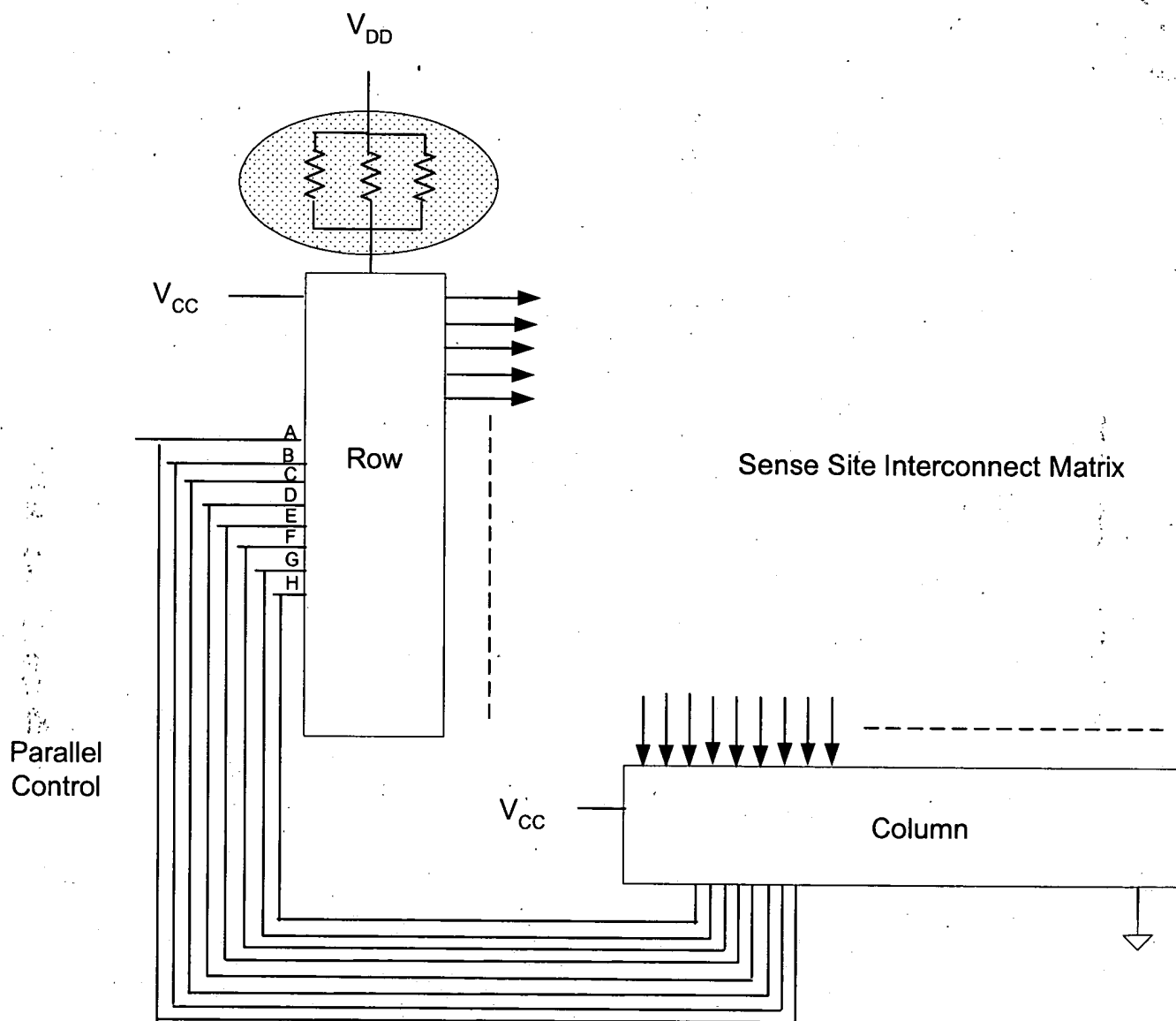


Figure 35.

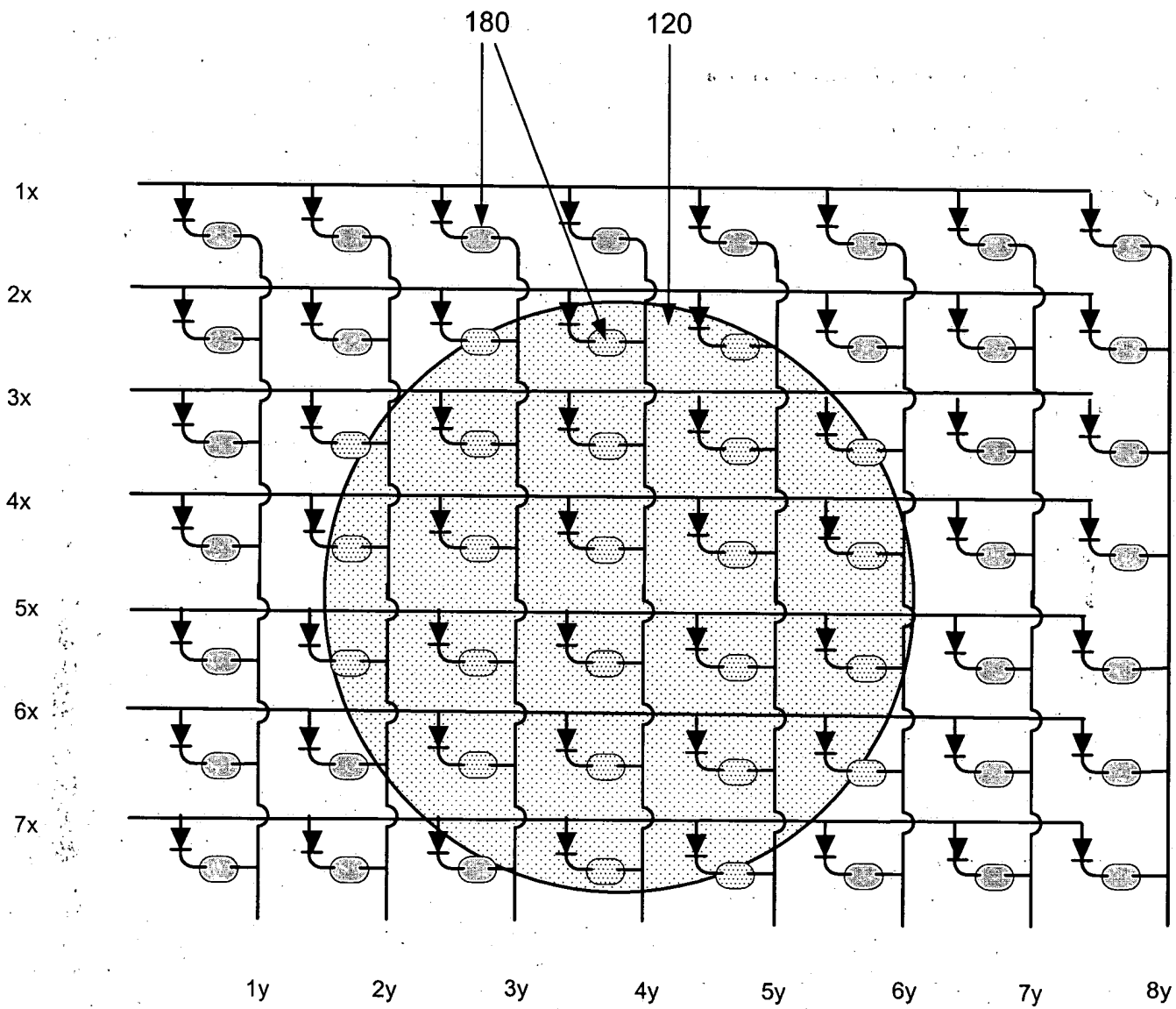


Figure 36.

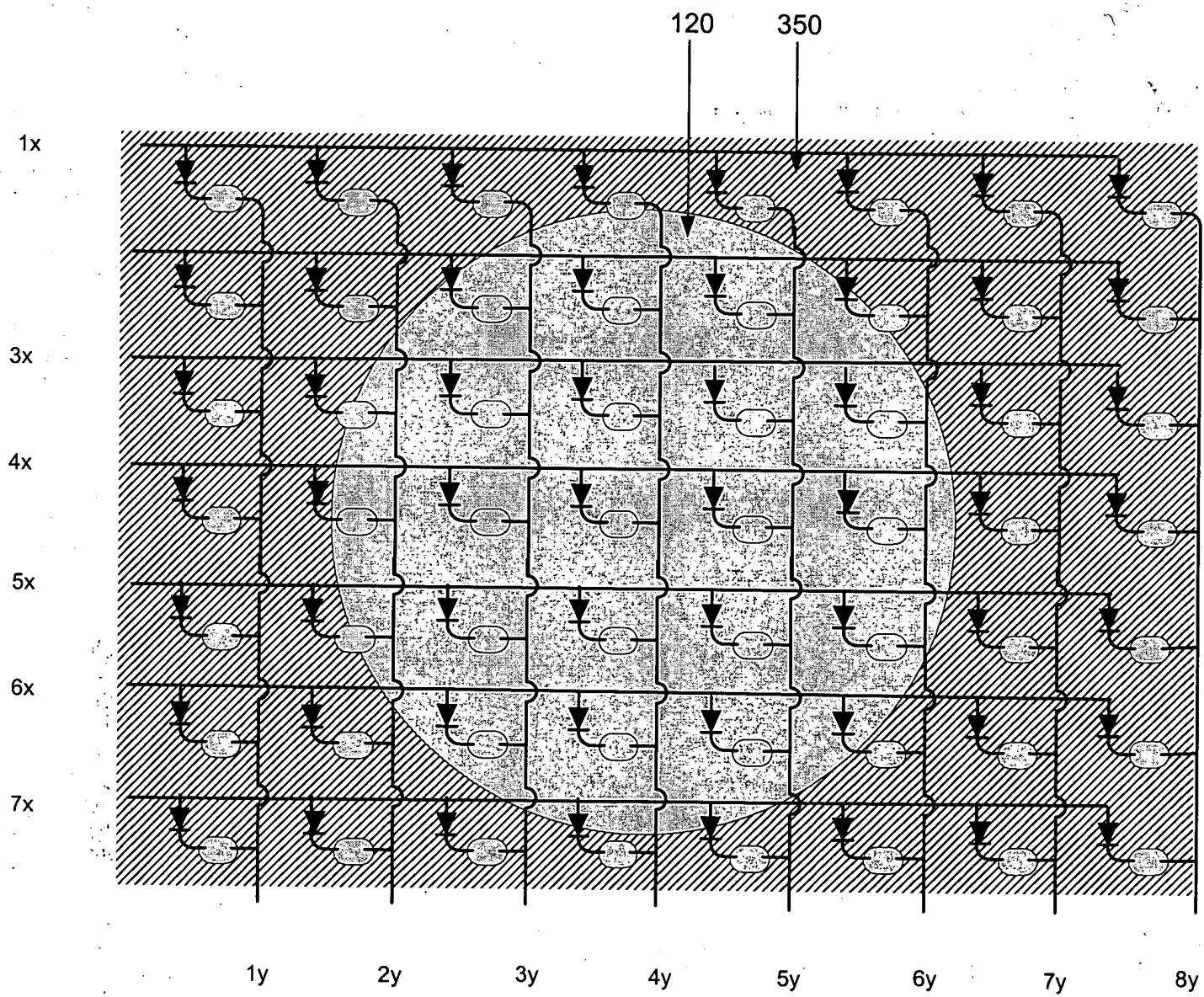


Figure 37.

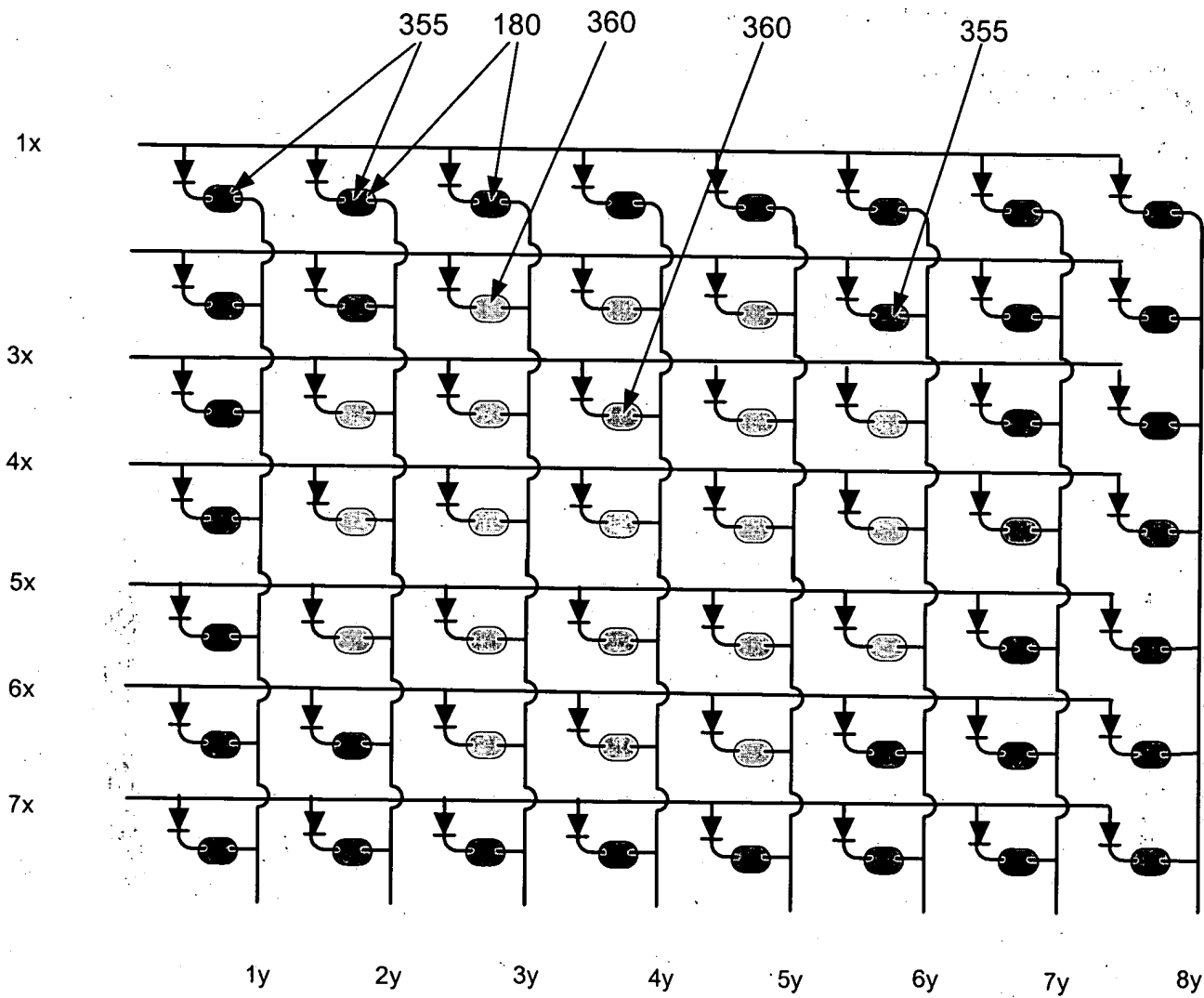


Figure 38.

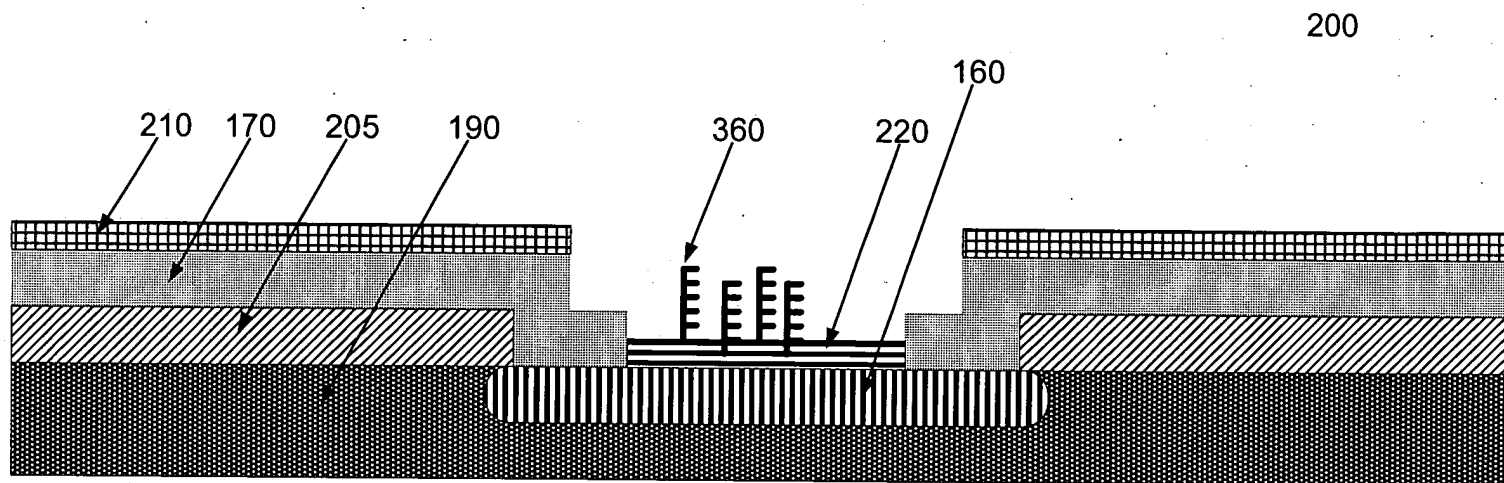


Figure 39.

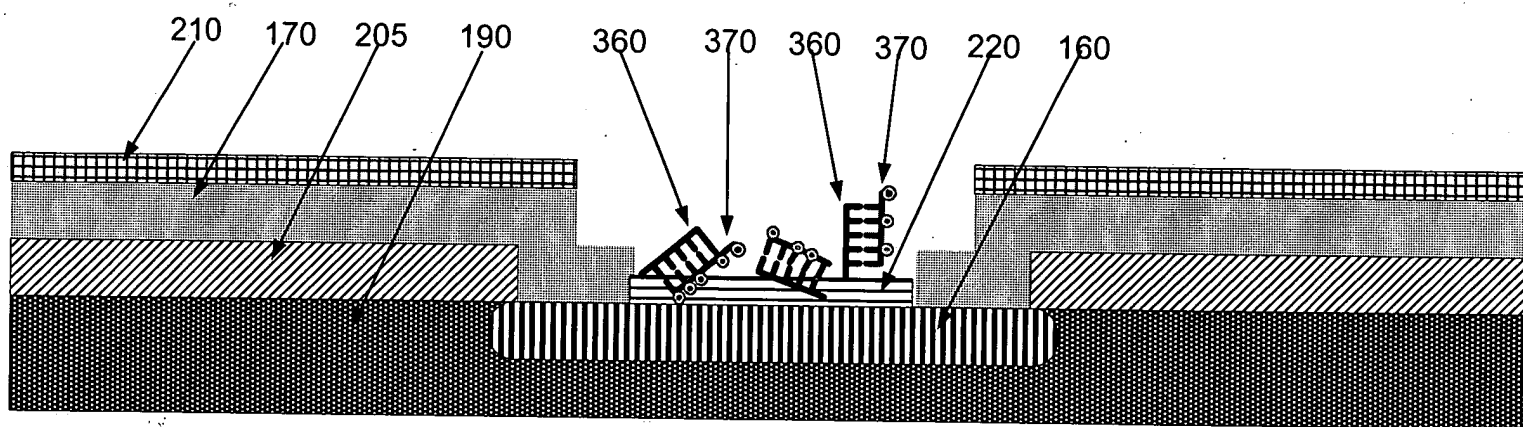


Figure 40.

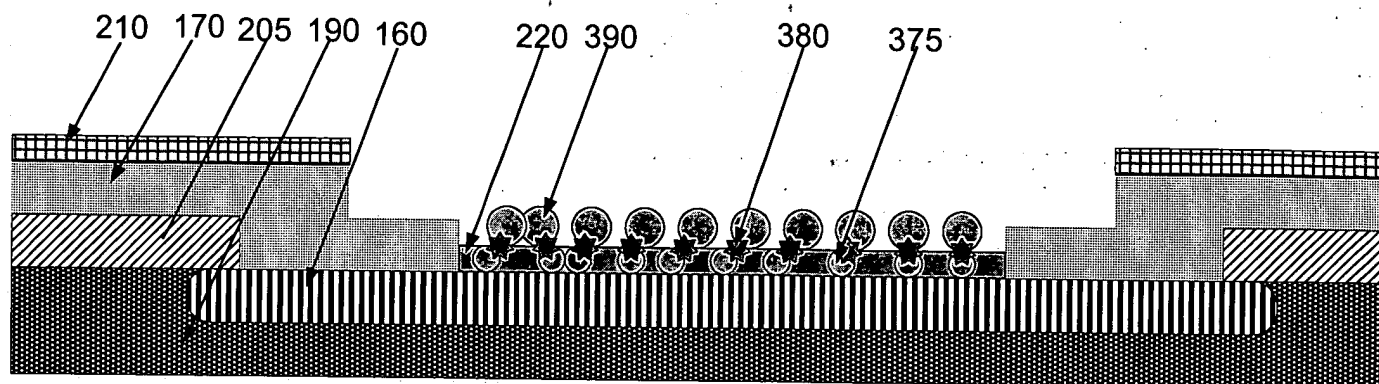


Figure 41.

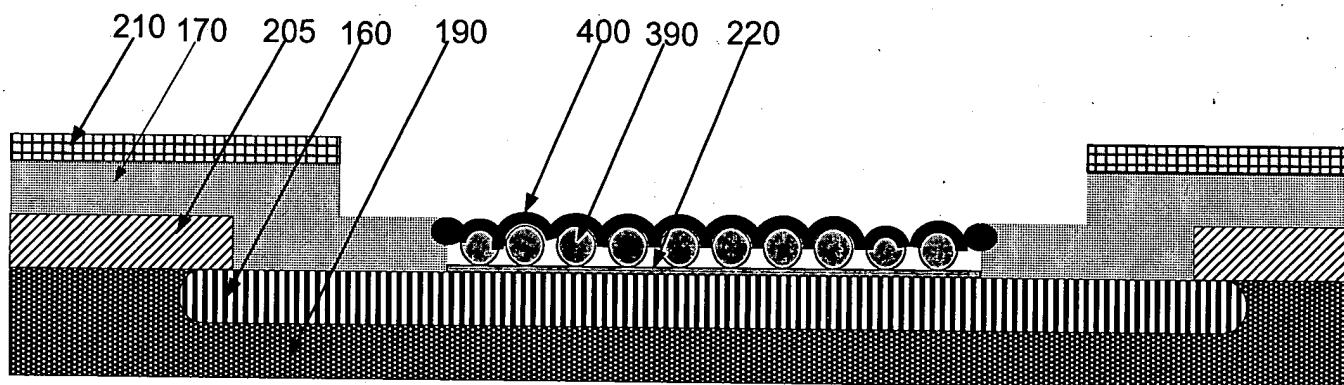


Figure 42.

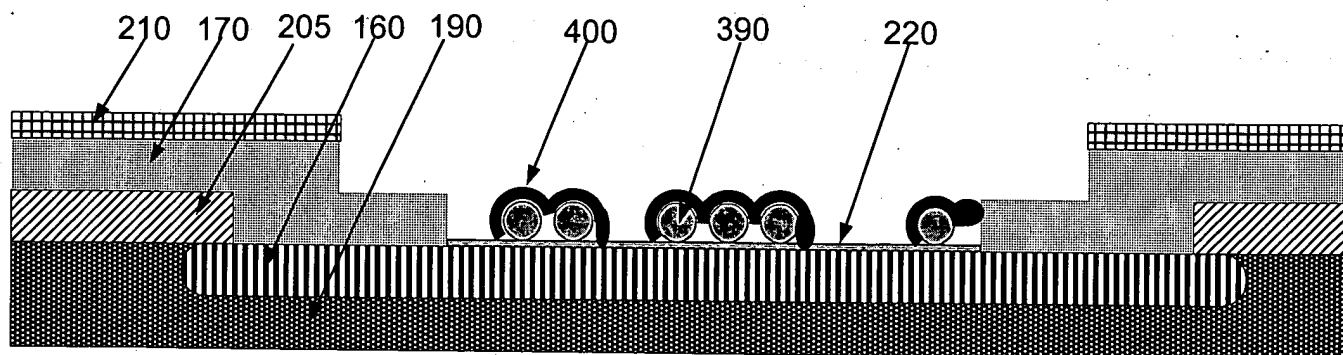


Figure 43.